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Oral Hygiene

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The Ransom & Randolph Company
TOLEDO, O. U. S. A.

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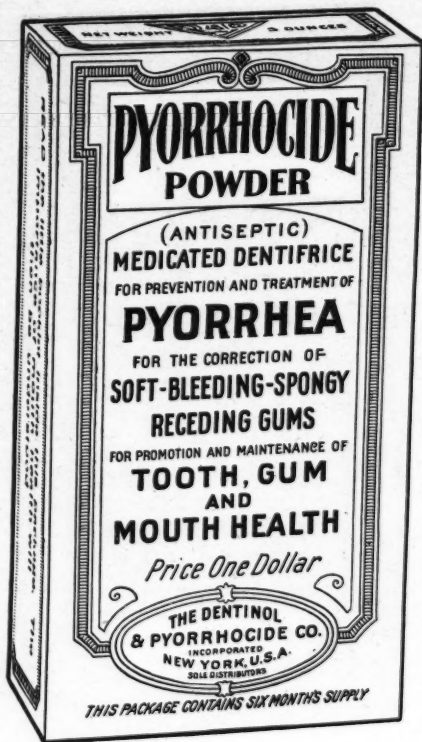
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There is no soapy or oily coating deposited on the teeth and gums, when they are brushed with Pyorrhocide Powder.

Users of this dentifrice experience a true feeling of oral cleanliness at the time it is applied and for several hours thereafter.

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Free samples of Pyorrhocide Powder for distribution, a trial bottle of Dentinol for use at the chair and a copy of "Causes and Effects of Pyorrhea" mailed on request.

THE DENTINOL & PYORRHOCIDE CO., Inc.
1480 Broadway New York

REA PROCTOR MCGEE, M.D., D.D.S., *Editor*

ORAL HYGIENE

A JOURNAL FOR DENTISTS

VOLUME X

DECEMBER, 1920

NUMBER 12

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Merry Christmas from Oral Hygiene

1855

What Is Your Standard?

By E. YATES SMITH, D.D.S., Charleston, S. C.

WHEN the highly civilized man of today was the naked savage of yester-eve he carried before him a standard, symbolical of the traits and prowess of his tribe.

At state affairs, war councils and social functions, in fact at any time either in peace or war when tribes or nationalities met, these standards were always in evidence.

Just so today, in the United States, the flag is the standard that all Americans hold in reverence as the symbol of national honor and ideals.

Men fight and die under their standards—these standards being the representative objects of the things they hold most dear; the things they live for, fight for and die for. In all walks of life man raises his standard.

From the lowest to the highest a standard guides on to the great things; to the noble things that man desires.

The standard of the medical profession is "The Preservation of Life." The physician, called to the bedside of a man suffering with a diseased appendix, does not appeal to his hollow vanity toward the preservation of the organ but immediately recommends its removal, realizing that the absorption of the toxins as a result of rupture may prove fatal to the life of his patient.

His one idea is to preserve life and restore health regardless of sacrifice.

He struggles day by day to

safeguard the health of his patients and strives to remove all obstacles against the maintenance of this condition. Time, his greatest ally and enemy, is both benevolent and treacherous, building up here and tearing down there according to the treatment. The physician can take no chances, his treatment must be correct, for his standard is "Life."

Is the physician's ally, the dentist, upholding the sacred standard of the medical profession of which his profession is a branch?

Does he look sufficiently far into the future to determine the effect of the chances he is taking each day with the lives of his patients?

Dentistry, in order to rank with medicine, must take itself more seriously. She must adhere to the doctrine of "cause and effect" and look to the future for an expression of appreciation of her efforts. She must rally to some well-defined standard.

If the preservation of human life is her aim, she should follow every course essential to this goal. Aesthesis, though an essential to proper restorative dental work, should be cast aside as a second consideration if, in the perfection of it, the patient's general health is to be involved.

There is no tooth the maintenance of which warrants the jeopardy of health.

Research has shown that the absorption of toxins from in-

1856

fectured areas is frequently followed by severe systemic conditions. When the venom of the snake has been injected into the hand or foot of an individual, the first act in treatment is to ligate the part to prevent absorption by the blood stream, and the deposition of the poison in distant parts, for that may prove fatal to the entire organism.

In tooth infection the principle is the same though the toxins

sion is coming closer to the realization that many baffling conditions which, hitherto, were almost without response to treatment, can be traced directly to oral infections. These men are in a position to appreciate fully the far-reaching effects of these infections having, as they do, the entire body under observation.

The dentist may argue, having seen but a few cases in which systemic conditions followed focal

"There is no tooth the maintenance of which warrants the jeopardy of health."

absorbed are not of the same concentration. In small quantities they are deposited in likely places until in sufficient quantity to manifest themselves in some definite form.

Practice or experimentation toward the perfection of some method for the treatment of devitalized teeth only tends to complicate matters. Thirty years* have not disclosed this method but have undoubtedly given us many ills that would have been virtually unknown had it not been for this type of treatment.

Each day the medical profes-

infection, that all cases are not similarly affected.

This may or may not be true but until man is in a position to recognize the zenith of human health and endurance he will not be able to determine, to any positive extent, the detriment or benefit his work may produce. One case or even two in the practice of any dentist may not offer conclusive proof of the failure of root-canal treatment but when one considers that the appearance of one case before each of the approximately forty thousand dentists of this country, even such a small percentage is worthy of serious consideration. One may rest assured however

*This, no doubt, should be fifty; I have merely made an estimate.—E.Y.S.

that the percentage is far greater than this.

The extraction of all devitalized teeth would tend too much toward the radical viewpoint, but a cessation of all treatment of this character would show, on the dentist's part, a recognition of scientific fact and serve to elevate

the profession in the eyes of the world.

Why not admit the mistake, cast aside the old standard of "Tooth Preservation at Any Cost" and raise the one upon which dentistry was founded—"Alleviation of Pain and the Preservation of Human Life."

Next Month: The Tenth Anniversary Number of ORAL HYGIENE

For the first time, the story of the magazine will be told.

It forms an interesting chapter in the history of dentistry.

This is the first birthday celebration ORAL HYGIENE has ever held.

Loving Ignorance

By W. A. BRIERLEY, D.D.S., DENVER, COLO.

WELL-MEANING and loving ignorance on the part of parents has given many a child a serious handicap.

In no place along the road of the developing child does indulgence and ignorance do more harm than when the child's teeth are neglected.

The age-old fallacy that baby teeth are not important is at the bottom of much teeth neglect, and is the first of many mistaken ideas most parents have regarding the value of teeth. It is rare indeed that temporary teeth have anything wrong with them when they erupt.

Nature's work so far has been good.

But why is it that over eighty per cent of children have defective teeth before reaching the age of six? The answer is that because there is still a large majority who believe it is entirely foolish to care for the child's temporary teeth.

In reality, all normal parents love their children and want to see them "brought up right." Most of them will listen to information which is given intelligently and with force sufficient to be convincing without offending.

The avenues, outside of dentists' offices, through which information regarding teeth and dentistry may be disseminated are increasing in number daily.

Of these, the public schools will prove to be first in importance.

The medical profession, the press, and clinics of industrial and public institutions, are some of the agencies that are telling people of the importance of good teeth.

Dentistry for children should be preventive dentistry, including not only prophylaxis, but also such fillings and extractions as are indicated.

Prophylaxis represents about fifty per cent while fillings and extractions might be rated as representing twenty-five per cent each in value in the work of keeping a child's mouth in a healthy condition. If children are too young to brush their teeth, mothers should do it for them.

Dentists who do not love children should not attempt to work for them. The successful merchant makes it a point to "please his customers." The customers of the pediatrician are apt to show individuality and peculiarities which call for tact and diplomacy on his part, but he must not forget that they are customers nevertheless and, being such, should be pleased.

The success of the dental hygienists' work in public schools comes from the repeated treatments made at short intervals—preventive dentistry. The same system applied to office practice makes working for children a pleasure. If that system is properly explained to the parents, some will see the reasonableness of it and gladly adopt it. Others will not.

But the world moves.

When the old unsatisfactory system of doing nothing for children's teeth, until Nature asserts herself in the form of the midnight howl and the swollen face, is suc-

ceeded by preventive dentistry begun early enough to prevent—then childhood will be robbed of some of the rough stuff it has had to stand for in the days gone by.

Report of Work Done by Dentist at the Clow Clinic

Clinic maintained by James B. Clow & Sons, at
Newcomerstown, Ohio, from March 1,
1920 to Sept. 1, 1920.

Number of patients.....	165
Extractions.....	161
Prophylaxis.....	150
First aid treatments.....	160
Amalgam Fillings.....	201
Amalgam Restoration.....	4
Silicate Fillings.....	26
Gold Fillings.....	5
Gold Inlay Fillings.....	3
Cement Fillings.....	8
Crowns.....	2
Removal of Crowns.....	14
Bridge Repairs.....	2
Artificial Dentures.....	16
Pyorrhea Treatments.....	44
Root Canal Treatments....	10
Post Extraction Treatments..	7
Mouth Wash Prescribed....	21
Tooth Brushes Dispensed..	160
Paste and Powder Dispensed	156

R. R. MASON, D.D.S.

Dental Care for School Children

IN Nassau County, N. Y., 15,479 children were registered in the schools. Of these 10,234 were inspected according to law, and it was found that 9,468 of these suffered from physical defects, of which 8,338 were defects of eyes, ears, teeth or tonsils. Further investigation showed that in some localities 75 per cent of the absence due to

each correction, or of \$3.73 for each child treated, was made.

Nassau County is not the only county where such work has been done, but it is one of the few. The proportion of children suffering from defective teeth is probably no greater here than in other rural communities throughout the country. Can the United States be said to be well

The American Red Cross wants to give the children a fair chance, teach them oral hygiene and see that their teeth are taken care of.

illness could be traced to defective teeth.

The school authorities, with the assistance of the American Red Cross, placed in operation five mobile dental dispensaries to take care of the school children. In approximately 468 hours, 322 children received dental relief, requiring 60 sittings; 142 first molars and 150 other teeth, mostly deciduous, were extracted; 1,121 cavities were filled and the teeth of 219 had prophylactic treatment: the roots of 16 six-year molars were filled, requiring 219 treatments. A total of 1,750 corrections were made—an average of over five for each child. To cover the running expenses an average charge of 69 cents for

organized for health when such conditions are present?

The American Red Cross wants to change these conditions,—it wants to give the children a fair chance, teach them oral hygiene and see that their teeth are taken care of. Mobile dental dispensaries are perhaps not practicable in every rural district, but there are other measures that will afford protection, such as the appointment of community nurses who will examine the children's teeth and educate them to the toothbrush—such as Health Centers, which will be centers of health, education and instruction—such as courses in Home Hygiene to be offered to women and girls.



A Dream of the Future

By EDITH S. ROBERTS, Dental Hygienist

Suggested by reading Dr. F. A. Keys' statement:
"Manufacturers of artificial teeth in this country produce over one hundred million artificial teeth each year, which go to replace actual teeth—which, if proper care and attention were given to children's teeth, would never have been lost."

The night was still. My sleepless eyes
Could see the stars agleam in blackened skies.
My listening ears could faintly hear
The muffled thud of my own heart so near:
While far away, on yonder hill,
The cock's faint crow rang out on night so still.

But see! In neighbor's window there
Across the way, a sudden light doth glare.
Then out upon the air there came
A child's sharp cry, as though some sudden pain
Had touched the little one so fair.
('Twas blue-eyed Helen with the golden hair.)

Then I recalled her mother said,
The little one had called them out of bed
Full many a night, with toothache.
And as I lay and thought, the hour grew late.
At last, the cry was stilled; the light
Went out, and once again 'twas "silent night."

My weary eyelids closed at last.
But thoughts had changed to dreams, whose shadows
cast
Their weird and changing scenes o'er all.
It seemed as though the power was given to call
Together, at one place, the pain
And sorrow toothache caused—a sorry train.

Can you imagine half that scene?
A *hundred million toothaches*, in that dream,
Were marching round, and fell at last,
All in a moaning, writhing, yelling mass
Right at my side, a mountain high
Which reached from lowly earth to vaulted sky!

And when the last sad ache and pain
Had passed, a white-robed figure loomed up plain
Against the sky. Onward it came,
Pointing to that mountain, with eyes aflame,
And stopped, all breathless, by my side;
“At last we’ve won the victory,” it cried.

Then I awoke, and pondered o’er
The message which the white-robed figure bore
When, plain as day, it came to me,
It was a prophecy of days to be;
And in the future years to come
We’ll say “MOUTH HYGIENE HAS THE VICTORY WON.”



If You Desire to Have the "Your Teeth" Series Run in Your Home Town Paper—

ORAL HYGIENE will run a series of fifty-two Lay Education stories, of about three hundred words, each year. That will make four or five stories each month.

These stories will be printed in proper form for immediate use in newspapers.

In every district where a dental society designates a certain newspaper—that paper will be given the privilege of printing these stories—one each week, free of charge.

This means that these stories may be had over the entire English-speaking world.

At the end of each year the collected stories will be published as a booklet which will be available for classroom work. In addition to printing these stories they will be very useful as a basis for popular lectures upon the health of the mouth.

Only *accepted* dental knowledge will be used. The language will be that of every-day use and the stories will be interesting. If you desire to have this series run in your "home town" paper notify ORAL HYGIENE and permission will be given exclusively to the paper that will agree to run the stories regularly.

Those newspapers that are upon this list will be furnished with special early copies of ORAL HYGIENE directly from the office of publication. The editor can simply clip the stories and publish one each week. There are three conditions attached to this permission:

1st: The stories must not be published in any town where the recognized dental society does not approve of this series.

2nd: Each story must be printed entire and without alteration.

3rd: These stories must not be used either in whole or in part as advertisements.—*Editorial, May Issue.*

Department of Lay Education

“Your Teeth”

By REA PROCTOR McGEE, M.D., D.D.S., PITTSBURGH, Pa.

Here are four of the stories, prepared for daily and weekly newspapers. Others of these will be printed in future issues.

The Magic of the Teeth

NO other person has ever seen a picture or a landscape or a beautiful face or a sunset just as you see it.

No one has ever heard a piece of music or a thunderstorm just as you hear it.

When you and your dearest friend read the same book or hear the same story you will always differ a little in your understanding of it.

This is because every impression that comes to you is moulded by your own personality. Your personality is like an export and import tax: it touches every act of life—it affects every impression, both coming and going.

Personality is the sum of all of your experiences and of your ideas and of your memories, plus your physical condition. Your appearance is a large factor in your effect upon other people; it is one of the great factors in your effect upon *yourself*.

We all love magic and the supernatural because the everyday humdrum of solid fact gets upon our nerves.

Fairy tales are not for children, they are for grown-ups.

We call them “novels” and we always expect the magical power

of good to overcome the sorcery of evil.

Our heroes and our heroines we always endow with beauty, health, energy or youth, because in our experience these conditions give a desirable personality and contribute to a happy present and a genial old age.

Our villains we endow with forbidding faces, crooked bodies, often with ill-health, because we know that these things warp the disposition and frequently change a pleasant personality into an unpleasant one.

Did you ever hear of a beautiful heroine or a manly hero whose smile showed a row of decayed teeth or inflamed gums? Do you remember how quickly “Dr. Jekyll’s” even and beautiful teeth changed into protruding snaggle teeth when he became “Mr. Hyde?”

Your mouth and teeth make up seventy-five per cent of your facial expression. Who wants to look like “Mr. Hyde”?

The Third Hand

IT is very amusing to see a couple of foreigners, or even home folks sometimes, waving and gesturing wildly with their hands in an ordinary conversation.

We don't seem to consider that it is up to the hands to help with the talk and do a little of the mouth's work occasionally; the mouth certainly does enough work that belongs to the hands.

From our earliest infancy to tottering old age we use the mouth as an amateur workshop, testing laboratory, carry-all, thread-cutter, pencil-sharpener, lubricator, wrench, vise, weapon of offense and defense—and for unnumbered other duties in addition to its proper work.

In fact the mouth is commonly used as a third hand.

This means an enormous amount of wear and tear—upon the teeth, gums and jaws—that does not come from chewing alone.

Almost everything that is put into the mouth has infection of some kind upon it.

The very fact that we suffer so little from this overuse of the mouth shows that the saliva must be a germ-killer to a very considerable extent but the saliva does not always protect us from infection from these outside sources.

Many very serious conditions arise from the "third hand" use of the mouth. In addition to infection the unreasonable strain upon the teeth often breaks the enamel and occasionally breaks off whole teeth, fillings are loosened, decay is encouraged and the irritation to the lips, cheeks, gums and tongue favors cancer.

The habit of biting threads instead of cutting them causes a chronic inflammation of the membrane that covers the roots of the teeth and will cause the loss

of the teeth. It is much more comfortable—and cheaper—to buy scissors.

In fact the value of the mouth is so great that it is poor economy to abuse it.

Children's Habits

HABITS formed in childhood are very difficult to break. The younger the child, the more quickly a habit is formed.

Their experience having been so limited, they very quickly become accustomed to almost any new diversion that may come their way. Many little things that, at the time, seem trivial, will have a severe effect in after years.

One of the worst habits that a young child forms is that of thumb sucking. Many mothers would rather have the baby quiet and happy and sucking its thumb than dissatisfied with life in general and raising Cain. But the pacifying of the youngster by this method will cause a great deal of difficulty.

When a child sucks its thumb it pushes the roof of the mouth upward so that it makes a very high arch; and as the roof of the mouth is the floor of the nose, the nasal space is reduced and the septum of the nose is pushed over either to the right or to the left—usually to the left.

The upper teeth in front, along with the bone in which they are imbedded, are pushed forward and upward, and the lower front teeth and the surrounding bone are pushed inward and downward so that the arrangement of the teeth, that was intended by

Nature, is very seriously interfered with.

The constant drawing, from sucking the thumb, extends to the accessory cavities and there is almost a certainty that adenoids will be developed if this habit is continued for any considerable period.

Thumb sucking interferes with the shape of the face, the mouth, the nose, the position of the teeth, the ability to masticate and changes the tone of the voice.

Don't you think it is rather an expensive method of amusing a child?

Those who have allowed their children to keep up this undesirable habit for a number of years have been the indirect cause of inconvenience, disease and disfigurement to the children.

The time to stop a child from sucking its thumb is the first time you see it do the act.

Start right and don't let up until the habit is broken.

Dental Defects

THE examination of school children from the standpoint of health always reveals the most alarming percentage of dental defects. In this country the uniform percentage of children with decayed teeth is ninety-eight out of every hundred.

Dental defects constitute the most numerous of all defects of the body that are found during medical inspection.

The children who are in greatest need of attention to the teeth are found among those from four to eight years of age.

The percentage greatly decreases in the older groups.

These defective teeth are responsible for many of the serious disturbances of the general health, and especially is this true of the so-called "rheumatic" affections, diseases of the heart and digestive disturbances. No system of health supervision of children can possibly be effective that does not secure the successful treatment of dental defects, or that fails to instruct parents in dental prophylaxis.

In those fortunate communities where there is a school dentist the children should be encouraged to visit his clinic. The time is coming, according to *Modern Medicine*, when the school dentist will be considered just as necessary a part of the school system as is the school principal himself.

In school dental work, where it is impossible, on account of a lack of facilities, to care for the teeth of all the children, then the teeth of the children of the first two or three grades should receive attention first, so that eventually the percentage of healthful mouths in the upper grades will be increased.

In these days when it has become so fashionable to distribute large gobs of money for charitable and sociological purposes, it would seem that one of the very best methods of benefiting one's fellow man would be to found, in all large communities, dental dispensaries where those people who cannot afford the services of the skilled dentist could take their children, to have their little lives made something better than one long memory of raging toothaches.

The benefits in health that have been demonstrated by the older

established clinics of this type, have shown that this work is one of the most important, in the conservation of the health and the prevention of disease, that has ever been undertaken.

In communities where there are a number of orphanages and other charitable institutions that

cannot afford the regular services of a dentist with a well-equipped office, it is particularly desirable to found central dental dispensaries that will take care of all of the children in these homes.

In casting about for a method to spend money for the public good, do not forget the mouth.

Wisconsin State Board Examinations This Month

The Wisconsin State Board of Dental Examiners will conduct a licensing examination at the Marquette Dental College in Milwaukee beginning Saturday, Dec. 18 and continuing to Friday, Dec. 24, 1920.

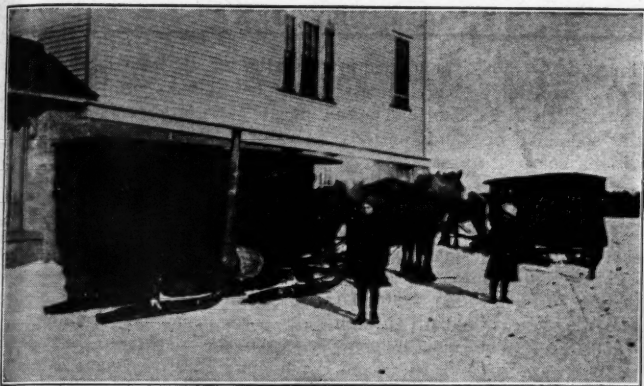
The Wisconsin dental law provides that "No person shall be examined by the board for a license to practice dentistry in this state, who shall not file with the secretary of the board credentials proving to the satisfaction of the board, that he has a general education equivalent to that required for graduation from a high school or academy in the state of Wisconsin, having a four-year course beyond that of the eighth grade of the elementary school, and who is not a regular graduate of a reputable dental college or dental department of a university."

The educational credential showing graduation from a high school should indicate the subjects taken in the high school, the number of weeks devoted to each, the number of recitations per week, and the units of credit. The credential should be signed by the principal of the high school or academy or the city superintendent of schools.

A statement signed by the registrar showing graduation from a reputable dental college is preferred to the actual dental diploma.

All credentials should be in the hands of the Secretary of the Board not later than December 11, 1920.

WILLIAM KETTLER,
Secretary—State Board of Dental Examiners.



Two of three school buses at Williams, Minn. These are used for conveying children to the clinics.

Dental Clinics in Minnesota

By W. H. CARD, D.D.S., Minneapolis, Minn.

Chairman of Oral Hygiene Committee, Minnesota State Dental Association

THE activities of the Oral Hygiene Committee of the Minnesota State Dental Association have been chiefly the conducting of children's dental clinics, as a result of an arrangement entered into with the Minnesota Public Health Association whereby, either independently or in conjunction with the pediatric, psychiatric, tuberculosis, or nutritional clinics, dental clinics have been conducted in such counties as have sent in requests.

A county public health association sends in a request to the Minnesota Public Health Association for a dental clinic. This request, with preferred date, is referred to the Oral Hygiene Committee of the Minnesota State Dental Association. If possible to find a clinician for that

date the Minnesota Public Health Association is so notified, and it in turn notifies the county association, making the request. This county association then advertises the clinic in the town where it is to be given, and when the clinician arrives he usually finds a good attendance for the one or two days the clinic is to be given.

There may be two, three or four adjoining towns in a county, wanting clinics on consecutive days, and a clinician may, if he can spend the time, and make train connections, make all of them on one trip.

The Minnesota Public Health Association, through the sale of Red Cross Christmas seals, has paid all traveling and hotel expense with an additional honorarium of twenty-five dollars per

clinic day. This honorarium, while small, to the busy dentist, helps a little at least in that he is not spending his time entirely without compensation.

THE PLAN OF THE CLINIC ITSELF

The plan of the clinic itself has been first the notification of parents, or guardians and teachers, that children will be examined from three years old up to high school age. The mothers particularly are invited to accompany their children.

When the clinician reaches a clinic town he first endeavors to meet the local dentists who, together with local physicians, have all been advised by letter of the clinic, and explain the general plan of the clinic and assure them that it is a "demonstration" clinic and that, under no circumstances, is any treatment to be given.

Their co-operation and assistance are invited and thus far has been cheerfully and enthusiastically given. All cases requiring treatment are referred back to the local dentists. The clinician then proceeds to the building where the clinic is to be held, which may be in a school, church, lodge room, or dentist's office.

If in a school the clinician usually tries first to talk to the children either all together or in groups, as to grades, on the care of the teeth, why and how, with such illustrations, verbal or otherwise, as he is able to give, so as to make it interesting. Then with the help of local health officials who usually have a public health or school nurse to assist, he makes a survey of the

mouths of these children. We have had blanks printed in duplicate, perforated so as to be torn off and given to the child to be taken home to the parent, if not accompanied. The clinician fills these out, making a general examination, noting the following:

First, prophylaxis if needed; extraction, if needed, of deciduous or permanent teeth; filling, if needed, of deciduous or permanent teeth; treatment of malocclusion, if needed; previous dental treatment, if any.

On the original blank, which is kept and placed on file, is entered, in addition to the above information, the child's record. This includes child's name, father's name, nationality, place of birth, post office address, and name of family dentist, if any.

The clinician and clinic nurse both sign their names to both original and duplicate.

On the back of duplicate is a note to parent or guardian, advising and emphasizing the need of dental treatment.

A pamphlet on care of the teeth, which we have had prepared, is also given to the child.

During the survey the clinician is not only examining, but giving a running talk on the conditions as he finds them, and explaining to the mothers how these conditions were brought about, how they might be prevented, emphasizing the importance of care of the deciduous teeth as well as the permanent, explaining the effects of mouth breathing, abnormal thumb sucking, etc.

Immediately after the survey, or in the evening, he may give a



Some of the children

lantern-slide talk to the parents or guardians, teachers and older children, on care of the teeth, relation of teeth to health, etc.

The results of these clinics to date have been far beyond our expectations.

From being dubious at the outset as to the amount of real benefit derived, we have been convinced that a great deal has already been accomplished, and that these clinics should be continued.

A few figures, as to what has already been done since November 24, 1919:

Clinics have been given in 39 towns, representing 25 counties.

A total of 5,468 children have been examined, and over 95 per cent of these needed dental treatment of some sort.

These clinics have been conducted by nine Twin City dentists, but we are adding clinicians from other parts of the state as fast as we can get such men as are interested in this work to

become familiarized with our plan, and can figure out some more satisfactory plan of getting lantern-slides and lantern to them and back again to us in good order.

The clinicians who have already given up their time to this work in spite of the inconvenience of not always having enough notice beforehand to prepare for going to clinic—trains leaving or arriving at most any hour of the night, and not always finding hotel accommodations as they should be—have all agreed that the clinics have been most interesting to them, and much has been learned on the clinicians' side.

The Committee have spent comparatively little of the Association's money, except in the purchase of a lantern and two sets of slides. From results already obtained we would recommend this work to be continued, and also would call attention to the fact that we need more dentists.



On the way to the dental clinic. 50° below zero

There are many communities in the state where the people have to go many miles to get any dental service whatever.

Dentists should pay more attention to the study and practice of orthodontia, and try to correct the wrong impression that the teeth should not be regulated until the child is from twelve to sixteen years of age.

An endeavor should be made to encourage young men of the right type to take up dentistry as a profession.

Preventive dentistry is the dentistry of the future and will solve many perplexing problems of the present.

Practice of dentistry in the future will be more satisfactory, pleasant and profitable to both dentist and patient.

The field for registered dental nurses offers splendid opportunities for the young women, and as yet few are taking the prescribed courses. We dentists should encourage the entering

of this field by young women having the necessary qualifications.

A great deal more might be included in this report on the importance of oral hygiene in dentistry and time alone prevents us, in our enthusiasm over this branch of dentistry, from making further recommendations and, also, relating many incidents, both humorous and sad, that have occurred at some of the clinics reported above.

There has been much work and sacrifice represented in the work since these clinics were started, but the sense of satisfaction derived from knowledge of having accomplished something, emphasized by the number of unsolicited letters received following these clinics from the County Public Health officials containing words of praise for the clinicians themselves, their manner of conducting clinics, and the evident results as shown by the local dentists being swamped with children's work.

The only "cussing" done has been by these already over-worked members of our profession, who have been left shouting for help, after the visit of one of our oral hygiene enthusiasts.

We have endeavored to get the local newspapers to follow up these clinics with "dental health" articles and have succeeded in some towns—but not to the extent that could be desired.

At one of the clinics a small boy was questioned as to having a tooth brush. He replied that he had one. Asked if he brushed his teeth that day, the answer was "no." "The day before?" "No." "That week?" "No." Asked if his tooth brush wasn't getting pretty dusty he replied, "Oh no! my sisters are using it."

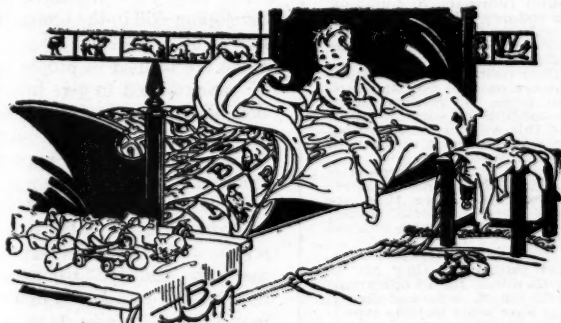
The lack of dentists is going to

be a factor in deciding whether it is well to carry on this work of pointing out dental defects in these children and then not being able to give them relief. The surveys of course go hand in hand with the educational propaganda on preventive care.

Does this scarcity of dentists prevail in other states?

Our treatment by the local dentists has been most courteous, and in most every case some one or more have entertained the visiting clinician at his home or otherwise.

We find the dentists in the smaller towns most progressive and giving their patients very high class dental service. Their willing, and even eager co-operation and help has been both a pleasure and surprise to us.



The Dental Hygienist's Opportunity

By CHARLOTTE KLATT

President Class of 1920, Forsyth-Tufts Training School for Dental Hygienists, Boston

This is printed to show the mental ability of the young women who are becoming dental hygienists

The graduating class of the Forsyth-Tufts Training School for Dental Hygienists was addressed, on September 30th, by Dr. Lemuel H. Murlin, President of Boston University.

Dr. Harold DeW. Cross addressed the class, calling attention to the growing interest in dentistry, the establishing of clinics, industrial, school, etc..

The importance of dental health is becoming recognized, and the demand for dental hygienists is increasing, especially as dental nurses.

The original idea of a dental hygienist seemed to be connected with prophylaxis only, whereas they are now desired as public health teachers, assistants in clinics, etc. This trend only supports the idea of the Trustees of the Forsyth Dental Infirmary in founding the training school, which was to train the hygienists as assistants in schools, institutions and clinics.

Their training and experience here compares to dentistry with that given the medical nurse for medical or surgical work, and this will, in time, remove any valid objection to the term "dental nurse."

At first the dental hygienists had no training; none was required; while here they are given a twelve months' course, approaching that of a medical nurse.

They are experienced in surgical procedure; they act as sterile nurses for all operations of the mouth, nose and throat; they have some bedside experience, and assist in anesthesia and all dental operations.

The president of the graduating class, Miss Charlotte Klatt, made the graduating address to the students.

This address is printed to show the mental ability of the young women who are becoming dental hygienists.

—Editor Oral Hygiene.

THE dental hygienist, in her professional capacity, has been sufficiently discussed, so I have chosen to speak of another and equally important phase of her work: its educational aspect.

Someone has defined education as a preparation for life. If we accept this statement we realize what a stupendous undertaking the education of any individual is.

An undertaking which is not and should not be the sole responsibility of schools and colleges but one to be shared by all who come in contact with the individual.

Our educational opportunity has two aspects: the professional aspect, and the personal or social.

All this year we have been developing skill in the professional side of our work.

We are trained in prophylaxis; we are prepared to give information about the care of the teeth and the mouth. We are equipped to advise on many important matters in oral hygiene.

In industrial and school clinics we work with the patients themselves; in private offices we often meet in addition to patients, mothers of young children who may first learn from us such important matters as training children to care for their teeth in the proper way, the far-reaching significance of orthodontia and the dangerous consequences of diseased adenoids and tonsils.

The dentist is too busy and

often neglects to give this information. I do not wish to give the impression the dental hygienist advises orthodontia or surgical operations but that she tries to instruct so that the need of such treatment may be sought in season or avoided.

Her aim is to do preventive work.

In both industrial and school clinics the scope of the hygienist extends beyond the mouth, often including personal hygiene. As the function of hygiene is to promote and preserve health, dental and personal hygiene concerns every human being.

Through her work constitutional diseases may be prevented and vital forces of resistance built up.

The result of this teaching is improved health which, in its turn, brings increased power for usefulness and greater enjoyment of life.

Thus the dental hygienist becomes a factor in community welfare for, through her efforts, healthier, happier and more influential citizens may be developed.

It is this social side of her work which makes it so rich, so broad, so satisfying and it is this side too which imposes on her the obligation to be her best self.

Each one of us recalls some person whose influence has meant much in our lives who, in principle and practice, always stood for the right thing, and who inspired high ideals in us. We know how much may be accomplished by such a life.

As graduates of this splendid training school for dental hy-

gienists we are soon to take our places in the professional world, where it will be our constant endeavor to uphold the high standards set for us in Forsyth and, through our own right living and thinking, to exert the kind of influence which makes for personal and professional leadership.

We entered Forsyth a year ago, ignorant of its work, its standards and ideals. Now that we know what it stands for and what it means to humanity, we hold in highest honor Mr. Forsyth and the other founders for their vision of a great need and their generosity in meeting it.

We would express to Dr. Cross and the staff our appreciation of their kind and untiring efforts in our behalf.

We are proud to be graduates of Forsyth and we are eager to begin to share with others what we have been privileged to learn this year.

The zest and enthusiasm which we all feel for our profession convinces us that we have found our work, the work which we delight in and which we hope to do worthily.

This quotation from Ralph Waldo Emerson expresses the feeling we have at the end of our course:

"Every man has his own vocation. There is one direction in which all space is open to him. He has faculties silently inviting him to endless exertion. He is like a ship in a river, he runs against obstructions on every side but one; on that side all obstruction is taken away and he sweeps serenely over a deepening channel into an infinite sea."

From a Radiodontist's Viewpoint

HOWARD R. RAPER, D.D.S., INDIANAPOLIS, INDIANA

Contributing Editor

Credos

"THE AMERICAN CREDO"

FOR some months past Messrs. Mencken and Nathan have been publishing, in their "great literary and moral periodical," multifarious beliefs and superstitions of the great American people under the title "The American Credo." To give you some idea of the nature of this form of literary expression let me quote "a few." And then permit me to steal the style while I present "*The Public's Dental Credo*" and "*Dentists' Credo*."

It would not be sagacious to suppose that the writer is to blame for or subscribes to *all* the beliefs set forth under "*Dentists' Credo*."

I wish also to say that editors who print credos should not allow their own personal belief or beliefs to cause them to alter said credos, to protect or promote said personal belief or beliefs.

1. That the mutual confidences of boarding-school girls are very racy.

2. That Ruth Law was in reality a German boy shrewdly disguised.

3. That the liquid contained in the center of many golf balls will cause instant total blindness.

4. That when one asks a bell-boy in a hotel in Buda-Pest to get one's suit pressed, he reappears in a few minutes with a large blonde.

5. That the description of the battle of the Marne in "The Four Horsemen of the Apocalypse" is a wonderful piece of writing.

6. That if one's nose itches, it is a sign that some one is coming to visit.

7. That if one spills salt, one should throw a pinch over one's left shoulder to ward off ill luck.

8. That when someone walks between a couple, each of them should say "bread and butter" to ward off a quarrel.

9. That when one sees a red-headed woman, one is sure to see a white horse within a block.

10. That it is bad luck to see the new moon over one's left shoulder.

11. That carrying a buckeye in one's pocket will prevent rheumatism.

12. That a piece of bread and butter, if dropped, will always fall butter side down.

13. That to drop a dish-rag signifies that company is coming.

14. That rapping on wood will ward off calamity.

15. That if one's corns hurt, it is a sign that it is going to rain.

16. That if one dreams of falling and dreams that one lands, one will never awaken and will be dead.

17. That if one saves the pennies, the dollars will save themselves.

18. That to have a black cat cross your path means bad luck.

19. That thunder sours fresh milk.

20. That cockroaches born in the morning are great grandfathers before evening.

THE PUBLIC'S DENTAL CREDO

1. That when one has false teeth one's tooth troubles are over.

2. That somebody's grandmother had a third set of teeth.

3. That somebody's little girl had a double row of teeth.

4. That somebody's grandfather, who never used a tooth brush in his life could, at the age of seventy, crack a hickory nut with his teeth as easily as though it were a peanut.

5. That somebody's little boy had an extra tooth, a tusk, that stood right out in front and that the little boy's mother was scared by a mad boar shortly before the boy was born.

6. That all dentists make great amounts of money and that the only reason why most of them are poor is because they are such free spenders.

7. That dentists often break people's jaws while extracting a tooth and that they never tell a patient when they do this, but instead try to conceal the fact.

8. That when fillings fall out it is because the teeth are too soft to hold fillings.

9. That some teeth are so hard they cannot be cut with a dental bur.

10. That when a dentist has a difficult extraction he starts in with the patient in the dental chair but finally he gets him on

the floor and sits on the chest while taking out the tooth.

11. That pain following extraction is caused by cocain.

12. That pain following extraction is caused by novocain.

13. That pain following extraction is caused by dirty instruments.

14. That pain following extraction is caused because the dentist was rough.

15. That putting a local anesthetic in the gum poisons the gum.

16. That many apparently healthy people have weak hearts and cannot stand cocain.

17. That after the nerve is killed a tooth never bothers one. (This belief is being replaced with the belief that a tooth should never be crowned.)

18. That the best dentist to go to is the one who is gentle and will get through with one in the shortest possible time.

19. That it is brutal to twist a tooth while trying to extract it.

20. That it is due to the dentist's ignorance or lack of skill or both when it takes longer than three seconds to extract a tooth.

21. That a dentist who works ten hours and charges fifty dollars is a robber and is getting rich, while one that gives three sittings of twenty minutes each and charges ten dollars is more reasonable.

22. That four small fillings on an occlusal surface are worth four dollars, and that four small fillings on an occlusal surface joined together and made into one is worth one dollar.

23. That all dental bills are too much.

24. That a bad tooth can cause ingrown toenails and baldness and that the removal of the bad tooth will correct the difficulty at once.

25. That one's particular dentist is a most extraordinarily skillful fellow who led his class while in college and who goes back to the college ever so often to instruct the faculty.

26. That if, when a child, one has a tooth extracted and one then resists the temptation to put one's tongue in the space, a gold tooth will come to replace the lost one.

27. That negroes all have perfect white teeth.

28. That the eruption of the eye tooth affects the eyes, and eruption of the stomach tooth upsets the stomach.

29. That lots of prize fighters have diamonds set in their teeth at great cost.

30. That all dentists graduating from the same school are about equal in intelligence and ability.

31. That an X-ray picture, no matter what kind, will enable any dentist, no matter what kind, to make an absolutely accurate and reliable diagnosis.

32. That it is a mighty good sign that a man is a fine dentist if he cannot (?) give an appointment sooner than three weeks ahead.

33. That dentists keep all the old gold crowns and fillings and that in the course of a year the collection amounts to thousands of dollars.

34. That a good inlay is worth more money than a good filling and that a gold crown is worth more than either.

35. That some dentists deliberately drill holes in teeth in order to put in fillings.

36. That one's own teeth are the most sensitive and pull hardest, and have the longest roots.

37. That a child with irregular teeth will outgrow the deformity.

38. That there is no use filling baby teeth because they are lost anyhow.

39. That the permanent first molar is a temporary tooth.

40. That a nasty-tasting dentifrice is good medicine.

41. That one saves considerable money and gets better dental work by going to several dentists and making inquiry about the price before having the work done.

42. That there is no hurry about paying a dental bill—that it can wait.

43. That a dentist's dental work should last forever, even though God's didn't.

44. That dental work is expensive and that this is due to the cost of the material used.

45. That the difference in the cost of bridgework is due to difference in the karat of the gold used.

46. That a dentifrice selling for fifty cents is worth twice as much as one that sells for twenty-five.

47. That women stand pain better than men.

48. That eating candy is very bad for the teeth.

49. That charcoal and cigar ashes are good dentifrices.

50. That chewing tobacco is rather good for the teeth.

51. That the enzyme pepsin is a good thing to have in a dentifrice.

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52. That toothache is unavoidable.

53. That decay is avoidable if one could only find the right dentifrice.

54. That each baby costs the mother a tooth.

55. That, in the United States, there is enough tooth powder wasted, as it is being placed on the brush, to supply the people of Europe.

56. That when a tooth aches it is frequently because one has caught cold in it.

57. That the magazines on a dentist's reception-room table are always at least a year old.

58. That if a child is born with a tooth, the tooth must be extracted at once, or the child will be short-lived.

DENTISTS' CREDO

1. That most of the troubles and faults of the profession are caused by the colleges.

2. That the best teachers never teach.

3. That invasion by bacteria is disease.

4. That it does no good to extract any tooth unless the bone is curretted afterwards.

5. That dentistry has made great strides.

6. That the colleges teach a lot of poppycock including bacteriology and histology. (This belief is giving way to the belief that the colleges do not teach enough bacteriology and histology.)

7. That college clinics make fortunes every year.

8. That demonstrators in college clinics are men who failed in practice, or haven't sense enough to get out and get theirs.

9. That all the talk about

asepsis and the use of the rubber dam is dam nonsense.

10. That the only reason a spray is ever used in the mouth is because it is a fee-getter.

11. That clinicians are robbers. That a man who often makes one hundred dollars in a single morning at his office or the hospital should disrupt his life's routine, leave his business and family for three or four days, lose his best patient, travel a couple of thousand miles, talk himself hoarse, and then be ashamed of himself for charging his brother practitioners one-fifty and expenses.

12. That there should be an amendment to the national constitution compelling all people to have all pulpless teeth extracted and bridges or plates made.

13. That advertising is wrong because it is wrong.

14. That if one does buy space in a newspaper for a dental advertisement it is necessary to use the space for telling lies.

15. That a man who sacrifices his health, his family, his business to the development of an ideal for the benefit of humanity and his profession, is a fool.

16. That all quacks are fine fellows if you only knew them.

17. That the prominent men of the profession are lady chasers (if young or particularly well-dressed) or luses (if older or not so well dressed).

18. That dental societies are run by a little clique of politicians while some of the best men don't have a look-in.

19. That it is necessary to say always that the essayist has read a splendid and timely paper.

20. That some of the most prominent men of the profession do some of the worst work.

21. That all men who do much talking or writing, talk or write one way and act another.

22. That refusing to give an appointment sooner than three weeks ahead has a very desirable effect on the patient.

23. That, for some reason, physicians get great delight out of blaming the teeth for all human diseases.

24. That no physician knows anything about the teeth.

25. That most diseases can be cured by the extraction of teeth.

26. That dentistry is coming into its own.

27. That pulp canal surgery is a failure, and that it is unremunerative and very difficult anyhow.

28. That it is evidence of fine superiority and independence to refuse to try to answer the questions of an ignorant, nervous patient and say, "If you don't like the way I'm doing, you had better go to somebody else."

29. That five dollars collected from a patient is five dollars profit and to continue, subconsciously, in this belief even after an efficiency expert has shown that the actual profit is only thirty-three cents.

30. That operations which require five hours time can be done in thirty minutes.

31. That any post-graduate course that does not enable the taker to double his income a year is a frost, a fake, and a graft.

32. That pyorrhea is curable.

33. That pyorrhea is incurable.

34. That the indol test and

what grandma died of are of more importance, when considering the patient's state of health, than how the patient feels, eats and sleeps.

35. That a clean tooth never decays but that it is impossible to keep teeth clean.

36. That a well-written article, and therefore one easy to understand, deals with an easy subject; and that a poorly written article, and therefore one difficult of comprehension, deals with a "hard" subject.

37. That one should take the dental magazines, but that it is hardly necessary to read them.

38. That a dentifrice should taste good so patients will use it.

39. That a dentifrice should be nasty so when patients get it into the mouth they will clean the mouth to get rid of the nasty taste.

40. Formerly, that teething in infants caused convulsions, latterly that the only results of teething in infants are teeth.

41. That a natural-born jack-ass, if driven to school and college, until he acquires a collegiate degree, then becomes excellent material out of which to make a dentist.

P.S.—Since writing the foregoing I have found the following under the title "Some Further Additions to the American Credo," by Watson Eppes Wright in the November *Smart Set*:

"That when you've made up your mind to have a tooth extracted it always stops aching just as you place your hand on the dentist's doorknob."

A good one I should say, Eppes, and I like the way you put it too. It tickles me. I keep thinking of the "dentist's doorknob." I know it's silly, but I keep imagining a dentist with a doorknob on him. I see the patient reaching out to take hold of the knob—but here my vision dims.

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"As A Man Thinketh—So Is He"

By C. EDMUND KELLS, D.D.S., New Orleans, La.

"As a Man Thinketh—So Is He"—is he? That is the question to be settled between Dr. Kells and Mr. Starr. A good opponent is an honor to your sword. Dr. Kells' keen mind and mastery of English make him an opponent of the first rank. Mr. Starr should feel that his story is unusual because it has brought out spirited replies both for and against his position—Editor ORAL HYGIENE.

THE author of the above titled article—Mr. Fred J. Starr—having invited me to make further criticisms of his articles, I take pleasure in acceding to his request. Having already discussed Part 1, we will now take up Part 2, which might be most interesting reading to the ordinary layman or dental supply dealer, but from the standpoint of a practical dentist, is just as full of flaws as a dog is of fleas.

Now you must understand that Brother John Henry's office is being held up to us all as a model in efficiency as well as in everything else. Let's see how this efficiency business works out.

In the first place, a caller enters, we are told, and is received by a "young lady in white." She seats him at her desk and "takes out a 5x8 card, requests his full name, residence and phone number, also office address and phone number, and who recommended him"—all of which is duly entered upon the aforesaid 5x8 card.

He is then asked if he is "in pain," and upon being told "no," she proceeds to give him an appointment for some day *five weeks in advance*, at which time she reserves one half hour of Brother John Henry's time for him, and she types this upon an appointment card, and inci-

dentally states the amount of the fee for this examination.

After all this time-consuming ceremony has been accomplished by this *efficient* (!) "young lady in white," the caller *casually* informs her that he does not want to see Brother Henry *professionally at all*, but upon another matter! Now can you beat that for inefficiency! All that time and two cards *wasted*, all of which would have been avoided had the "lady in white" said to the caller in the beginning, "Do you wish to see the Doctor professionally?" which I assume is the usual question put to all callers in an *ordinary dental office*.

Just note, if you will, the wording of this appointment card. It reads, we are told:

JOHN HENRY
DENTIST

Has appointment for examination
of the teeth for

MR. STARR

On Friday the 24th—2 to 2:30 P.M.

I have seen scores of dental appointment cards in my time, and yet never one to equal this—in a way.

It is no common, everyday appointment card—this one of Dr. Henry's—because the fact that it was "engraved" was stressed, and yet it is abominable

form, execrable grammar, and unbusinesslike — unbusinesslike because, according to its wording, Mr. Starr can go to Brother Henry's office at any time *between* two and two-thirty for the examination and yet keep his appointment!

Every other appointment card which I have ever seen sets the appointment for some definite time.

As a matter of fact, Dr. Henry's appointment card is just in keeping with the whole system, as will be seen further on.

The paragraph referring to the grocery store buzzer and Brother Henry's flash-lights, would undoubtedly "take" with the gallery, but let's just stop and analyze this scheme for a moment.

The "white lady" (for short) is busy at her desk with the lamps "*over her*." How can she see their flashes when working at her books? Tell us that. Again, while she is in the operating room "spraying the mouth, adjusting the towel, and placing the linen cover over the patient's head," what happens, pray, to any one at the front door who may have pressed the button at that moment? Rather than have this corner grocery buzzer mar the silence of this wonderful establishment, the "white lady" must at *all times*, no matter what she is doing, have one eye on the lamp (frequently in another room!), and no matter what she is doing, should this eye see a flash, she must instantly drop it in order to *go to the door* and receive the caller, whether it be the postman, expressman, telegraph

boy, laundryman, possibly a bill collector, or even a patient. And that is the efficiency which is being drilled into us!

It's the *flash* business that gets me. If the lamp were turned on by the pressure of the button—"elbow height" — (the author certainly does notice things) it wouldn't be so bad, for then the "white lady" could occasionally take her eye off that lamp, but as it is she must be looking at it all the while, else some patient might flash it and the flash not be seen, in which case the door would not be opened promptly, which naturally would reflect upon the efficiency of the office.

It is news, to me at least, that the use of a buzzer or bell would class me with the *common garden variety* of grocery stores, but as I do not believe my patients realize this, I will still persist in using the light, single stroke bell operated by the opening of the door *by the caller himself*, and thus no one is ever kept waiting at the door for some one to stop what she is doing (for it's a case of perpetual motion in most offices—SHE is always doing something or SHOULD BE) to go to the door and open it.

As this method is simply absolutely necessary in our office, I can but hope it will not ruin my social standing in this community, and as I believe our groceries do not happen to use buzzers, I think I can safely risk it!

As a matter of fact, I do use a single lamp in my office—but not a flash—and it is most useful.

But just see how inconsistent Brother John Henry is. While he would not use the buzzer, com-

mon to grocery stores as he says, he still clings to the much noisier magneto bell on the phone ("the telephone bell rings," he says) just as all *bar rooms* and *undertaker shops*, as well as common groceries, are provided with. Why does he not change the bell for a flash-light? He need not tell us the reason. We know it full well. "Oh! Consistency thou art a jewel."

Right here it might be pertinent to say that one of our younger men fitted up a model office some five years ago in which he had a set of signal lamps instead of bells, just as Brother John Henry now has, and it was most interesting, especially to some of us who knew better, to see the pride with which he showed off this feature. That was five years ago. He uses bells now.

If Brother John Henry wants to allow his room to fill up with vile odors, and then disguise them by a "cut glass vase containing smelling salts of special formula," (formula not given) why of course that is his privilege, but why not *prevent* the odors in the first place, and then have his visitors breathe fresh, pure air let in at the windows? Most people would prefer sunlight and pure, fresh air to any "special formula" odors; however, that's a matter of choice.

Now here comes a gem in this string of pearls, as it were. A patient calls and says she desires to have a tooth filled, and she accepts a full hour appointment, *five weeks or more ahead*, at the pre-determined fee of twelve dollars for the work. Neither the "white lady" nor Brother

John Henry knows absolutely anything of that twelve-dollar job. Whether the cavity is accessible or not, whether the work could be done in thirty minutes or would require two hours, or possibly that the tooth might not need filling at all—such things have happened—nothing counts. The patient is willing to give up the twelve dollars whether or no! Oh Boy! remember what Barnum said! One would think that even a dental depot man would appreciate how very unbusinesslike, improbable and impossible that sounds, unless, of course, he was talking about a plumber.

It just occurs to me that many a man would gladly pay much more than "*forty cents an hour*" for this "trained, intelligent assistance" that could get twelve dollars out of his patients, work or no work—that is, of course, those who are out only for the coin.

That is certainly a wonderful idea of Brother John Henry's, that under no circumstances should an assistant ask for the name of a party calling on the phone. I believe I can safely assure Mr. Starr that's the very first thing most of us, who conduct our practice upon a business basis, want to know—and then she goes and makes an appointment for a patient for twelve-fifteen, when his morning hours close at twelve! Are the limitations of his hours purely a myth?

We certainly are learning some wonderful things from Brother John Henry. Here he has a *pedestal cuspidor* instead of one with "dusty, dirty tubing." Per-

sonally, I have never received one of Clark's beautiful double bowl cuspidors (of which I have received a number in the course of some forty years) accompanied by "dirty, dusty tubing," but on the contrary, they have always been provided with clean and attractive looking tubing. And, of course, once it was received and installed clean and free from dirt, it was always comparatively easy to keep it so.

I would suggest right here that Mr. Starr, being a dental goods dealer, send one of the Clark catalogs to Brother John Henry, calling attention to the class of tubing it furnishes, because some time Brother John Henry may realize the limitations of the pedestal type and want to change over to a more convenient form.

As a matter of history, the first fountain cuspidors were of the pedestal type, and the chair attachment was designed to overcome its disadvantages, or I am very greatly mistaken.

One would know Brother Henry's sterilizing room would catch *this caller's* eye. I think it was the man who *invented* this particular style of sterilizing room who told me, "The sterilizing room, with its plate glass door and glass shelves, glass jars, sterilizers, and all that sort of thing, is the DENTIST'S SHOW CASE." Just think what a confession that was. I sincerely trust that the Angel Gabriel will call my number before I am reduced to the expediency of having a *show case*.

While in Chicago the other day a salesman told me that he had

recently called on a dentist who had some weeks previously fitted up one of these "dental show cases." The sterilizers were of the electric kind, but unfortunately(?) there was trouble getting the wiring done, and *up to that moment there never had been any heat applied to them*, and yet he said their *display* had increased his practice. This was told me in good faith.

What I love about this "What a Man Thinketh—So Is He" is its prodigality in details. The "*neat mat at the front door*," the "*countersunk push button at elbow height*." The character of soap is recognized while sitting in *another room* (most of us would have to examine it closely in order to identify it). And we are told it is "physicians' soap"; not surgeons' soap, nor dentists' soap, nor plain carbolic soap, but physicians' soap—a most important thing to know is the kind of soap Brother Henry uses!

Thereupon the floor is "CLEAN" he tells us, with an emphasis upon the word "clean." That sounds wonderful to me, because I never yet have seen a CLEAN rug on any floor. I certainly would like to go into Brother Henry's reception room and pass my white kid-gloved hand over that rug and then show it to Mr. Starr.

That Brother Henry's trousers are not new, he sees at a glance; that they have been cleaned and pressed is also self-evident, and all this is most interesting. And so on all along the route. Nothing escapes.

Can it be then that Brother John Henry has no correspondence? How is it we have not been

regaled with its details—the styles of *engraved* stationery—who takes his dictation, etc., etc.? Possibly it is this ubiquitous nurse who adds stenography to her other accomplishments with one eye on the lamp all the while, and all for twelve dollars per week.

Mr. Starr was so greatly interested in the fact that the push button was “countersunk,” instead of the ordinary common kind—and at elbow height—instead of a little higher as is usual—and all that sort of thing, that he forgot a very important item upon which to elucidate his readers. What we would like to know is who develops Brother John Henry’s films? Certainly with his own time worth twenty cents a minute, and taken five weeks ahead at that, he could not do this himself, and, therefore, we would like to know if this self-same omnipresent nurse takes that on as one of her duties.

One cannot camouflage upon developing films, and how she can manage to do this work and keep her “eye on the lamp” and ‘tend the front door all while she is in the dark room, is something worth explaining.

Now let’s just summarize what Brother John Henry’s nurse does do for him with one eye on the flash lamp all the while. First she cleans or supervises the cleaning (he doesn’t say which) of his offices between eight and nine. She receives all patients, places them in the chair, adjusts the towels, sprays the mouths, gets out the necessary instruments, puts a “clean polished glass on the cuspidor” (the Lord only knows when she got a chance to

clean and polish that glass) connects “a glass ejector to the tube” (he missed a trick there—he omitted to say *freshly sterilized tube*). She mixes the cements and alloys and she sterilizes all the instruments of which there are “five full sets.” And all this time she has one eye on the flash light. And between patients she dresses Brother Henry in his three-quarter length operating gown—for please note that Brother Henry doesn’t wear a “bartender’s white coat”—or rather, only half dresses him up, for we are told that the poor fellow has to button it up himself. How interesting for a dental magazine article.

This white lady also arranges all fees and payments, except “now and then.” She looks after the office linen, and she also sprays the patients’ mouths after the operations, as well as before, and then dismisses them. She keeps the books and makes all appointments. One can but wonder what she does with all her spare time.

Now watch your step. She says because of the *close co-operation between the Doctor and herself* that by January first she had collected \$15,600.00 out of a total of \$16,000.00—the total year’s work, or in plain words, she had collected all amounts due for *work done up to and including December 24th*. Wonderful nurse; wonderful co-operation—wonderful—(censored). I have a picture of Ananias turning over in his grave if he were to have heard that statement.

However, here’s a snag. According to Brother Henry’s own

statement, he values his time by the minute, and his time is always filled five weeks in advance. His charges are twelve dollars per hour, and *he says* he works 1998 hours in the year. This, you see, should make the total of \$23,976 and yet his closely co-operating nurse and *collector* only turned in \$16,000.00. (When romancing, the giving of figures is usually fatal). And Brother John Henry tells us he took a special course in bookkeeping! Would it not be kind to suggest to Brother Henry to take a three months' course in mathematics, and then have his books audited by a public accountant every three months?

No better proof of the harm that such propaganda as this, which is being distributed by the dental dealers—beg pardon, *some* dental dealers—is doing, need be offered than the *poem* on page 1380, September ORAL HYGIENE in which a “boob” (that’s what he calls himself) while listening to an efficiency-lecture (not by a dentist) decides to give his flivver away and purchase a high-priced car. That’s just the idea this class of talk begets.

Now if, as the result of the lecture, the “poor boob” had jumped to his feet and said, “From and after this moment I am going to try to do better work—learn to make porcelain jacket crowns and porcelain blocks for partial plates—do better root canal work, and, in fact, revolutionize the character of my work, and then the question of fees will take care of itself,” then that lecture would have accomplished some real good.

Now while Mr. Starr has asked

me to “knock” his paper, I have studiously refrained from doing anything of the kind. In this short review, of a part only of his story, I could only touch the high spots, as it were, in his *most interesting* description of Brother John Henry’s “efficient” methods, and if I have disagreed with the latter’s ideas, I trust the criticism will be taken in the spirit in which it is intended.

It is impossible for a certain conduct of a dental practice to be universally applicable, and if the methods as described suit Brother John Henry, why no one should object, but I believe it is not only advisable, but necessary to call the attention of the younger men to the fact that such *apparently* attractive statements, as made by Mr. Starr, will probably not hold good in any other office save that of this particular Brother John Henry’s, be he imaginary or not; that no one need hope for such “close co-operation” between himself and his white lady as to vamp twelve dollars per hour, irrespective as to whether any work is accomplished or not, and they should not desire any such results if they could be obtained.

The culminating point is reached when Brother Henry says that his “time is worth just as much whether he is working or not.” Then why work? I do believe that to preach such a doctrine is nothing less than a crime and that Brother Henry would be let out of his State Society for such teachings if he came out “into the open” with them. That is the dominant idea amongst the laboring men to-day

—that they should be paid high wages irrespective of what they accomplish—and here we have it proposed in a professional journal.

When the time comes, if it ever does come, that professional men believe that they should be paid whether they are working or not—then the stars should fall. Imagine, if you can, dental colleges teaching the boys that they should be paid whether they work or not.

But that time never will come. The men who are to-day guiding the destinies of the splendid profession of dentistry will not fail, and the preposterous ideas, and we might say un-American ideas of the few in John Henry's class, and the unworthy teachings

of some few dental salesmen, will not weigh much in the balance when the time comes for a showdown. But enough of this rot. Let's give no further time to Brother John Henry's business methods and advice, but give up the pages of ORAL HYGIENE to something more worth while. I declare, whenever I read these impossible tales of dental goods salesmen as to how a dentist should run his practice, I can but wonder why some practical and successful dentist doesn't get busy and write a helpful and sensible article upon the subject. Some day I may get exasperated to that degree that I will undertake it myself. I wonder if it would be read?

How to Get There

By FRANK L. STANTON

Ef you wants ter git on de brighter side,
Stop dat waitin' fer de time an' tide!
Jump in de wagon, an' you'll git yo' ride—
Now is de time dat it's gwine!

Ef you wants ter git whar de good times grow,
Stop dat waitin' 'cause it's snowin' snow;
De fast train's comin', an' it's time ter go—
Now is de time dat it's gwine!

Mr. Starr Replies to Dr. Anderson

Dr. Anderson's Letter

Reprinted from September ORAL HYGIENE

Editor Oral Hygiene:

Allow me to express my opinion of the would-be smart criticism of Fred J. Starr, "July Edition" of the Oral Hygiene.

I think it is a case of gross slander against the "Dental Profession" in general.

In the first place, you never see on any dentist's door, Dr. John Henry, D.D.S. If this man wants to be so smart, he should know that when a man has the title Dr. prefixed to his name he never has D.D.S. following.

For my part, if I knew a man who was after my business held me up to caricature like this man does the general dentist, he would not get one cent of my business if I knew it.

If this article fell into the hands of the general public their opinion would be considerably lowered.

When it comes to criticism, the dental dealer should keep hands off from the men he depends upon for a living.

Yours truly,

Wm. S. Anderson.

Editor Oral Hygiene:

I have quite naturally read Dr. W. S. Anderson's remarks in the September issue of ORAL HYGIENE and right off the bat I wish to assure W. S. A. that his waving a big stick over my head is not going to scare me for a second. His remarks are as old as the hills. The big stick he thinks he carries is the same one every dental man is accustomed to having held over his head, and still W. S. A. is not big enough or broad enough to acknowledge the fact that it is the real, honest, clean-cut representatives of dental depots and manufacturers that have in a great measure helped to make dentists realize that their profession is a truly noble one.

Dr. Anderson, so it seems, does not care to hear the truth or to learn a few facts. My article was not written in the spirit of pulling down dentistry, quite the contrary; the writer feels and believes, in fact knows real dentistry is, as he said in his article,

one of the noblest arts. The writer having this great faith in dentistry and dentists tried in his way to awaken dentists to the possibility of taking full advantage of their calling by at least getting out of a rut which everyone, not alone a dentist, gets into when he conducts a one-man business or profession.

I believe it is due Dr. Anderson and others to know that "As A Man Thinketh" was written by request and read before four different dental societies. It was not intended for publication and no corrections were made by the writer for typographical errors, nevertheless the writer knows of many signs which read: "Dr. John Henry, Surgeon Dentist." However, in reading the article before the Societies I said, "we approach the office of Doctor John Henry where, on the door, is found in gold block letters: "John Henry, D.D.S." I am sorry for this error which W. S. A. thinks is so smart.

It would appear W. S. A. did

not take into consideration that the July issue was only one side. Surely, the August part of "As a Man Thinketh" is no slander, as he calls it, upon dentistry.

It is public opinion of dentistry which every dentist should think about and it is the public who do *not* express to the dentist all they think of dental offices. It is the public who have been thinking dentists are *overpaid*, whereas the dentists are away *underpaid*.

It was my honest opinion and observation, if you please, that caused me to try and awaken den-

tists to the position they should rightfully take as real benefactors of mankind. In closing, let me say that it is the type of men who are so narrow, so egotistical, so very much opposed to learning and progress, or being told, that they become anchors, which prevent dentistry as a whole from taking its high position in the eyes of the public.

Very truly yours,

FRED STARR.

Dillaye Bldg.,
Syracuse, N. Y.

The Need of Public Education in Dental Hygiene

While it is undoubtedly true that America leads the world in dentistry, not only in the advanced practice of dentists, but in the appreciation on the part of the general public of the need for care of the teeth, there is still almost unlimited room for improvement.

Every visitor to the recent convention in Boston must have been impressed by the very evident enthusiasm of dentists towards work to develop dental technic. That is one side of the question of dental progress. The other is the problem of educating the public to a more general appreciation of the benefits of dentistry.

Thousands of intelligent persons who realize the need for dental hygiene still hesitate to take advantage of the dentist's services. And there are further thousands who do not yet appreciate the need. We believe it is the responsibility of the profession to do its part in this public education. More than responsibility, it has a tremendous opportunity, for we have but to maintain and even strengthen the interest in dentistry that was undoubtedly intensified by war conditions and the unprecedented prosperity which gave working people, in many instances for the first time, sufficient money to properly care for their teeth. At the next meeting of the Rhode Island Dental Society, one of the speakers will take up this subject and point out how we can effectively do our part in such an educational campaign.

—*New England Dentist.*

Correspondence

Editor Oral Hygiene:

After reading the articles in your magazine entitled: "As a Man Thinketh—So Is He," by Mr. Fred J. Starr, the thought occurred to me that every dentist in the United States should be obliged to read them, not once but several times.

Not that all need them by any means, but an extremely large percentage do, and badly.

Then when the criticism by Dr. C. Edmund Kells, of the July article, appeared in the September number, I was surprised, for to my mind this is the very one that should be printed in large type and placed on the desks of all dentists.

The doctor's criticisms are not well taken, for he assuredly has not read the articles carefully. Coming as they do from a layman, who is in constant touch with the dental profession, their value is doubly enhanced.

Very truly yours,

GEO. E. HAWKINS, D.D.S.

4654 Sheridan Rd., Chicago, Ill.

Editor Oral Hygiene:

I have read a number of criticisms of Mr. Starr's articles in the ORAL HYGIENE, and I think some of them are right to the point. There may be a lot of offices which are conducted like the first one he described, but I am sure there are lots of them that are well conducted without the little nurse, "Miss White," in attendance.

The articles have done some good if they have stirred the dentists who read them to make comment, but in fairness to Mr. Starr, I think he should be asked to tell about the dentist he found in the little country town. That clean young dentist in his clean operating gown and his simple office, some of it perhaps second-hand, where Mr. and Mrs. Farmer, Mr. Banker, the school teacher and the little school kiddies come to have their teeth looked after.

I have been in offices like the ones he described, but we have all been in a great many more which were respectable even without "Miss White." Now come thru with another article and make a lot of us feel better.

Yours sincerely,

R. M. HARLEY, D.D.S.

Lankershim, California.

Editor Oral Hygiene:

The laymen who write for the journals discuss only financial problems and anyone who has practiced for a couple of years knows more about that than any layman can ever learn. However, anyone should have a right to express any opinion with good intent and not be abused.

Mr. Starr tells more about the conduct of a large practice than the obtaining thereof. The principal advantage of appearance is that, when anyone calls, a man doesn't need to be ashamed of anything.

Those who have any good ideas

in regard to any phase of dentistry should report them, but only a few do so.

I would like to make a suggestion to readers hereof; it is this — when a man who is a stranger, and between the ages of 18 and 45, calls to have a tooth treated, collect a deposit at the end of the first sitting or in 99 cases out of a hundred you will never see him again and if a bill is sent he will refuse to pay, lie about the dentist and oppose him to the end of time.

Also don't do much at the first sitting. We cannot ask a deposit before going to work, the logical time is at the end of the sitting.

Some will not even pay then.

Therefore if a man employs conduction or pressure anesthesia or sodium and potassium or some other time-consuming method at the first sitting he is apt to be out a couple of hours' work amounting to ten dollars. Hence, in case of a stranger it is wise to merely seal in clove oil or formalin as the case may be and get rid of the patient.

Thus a man will not be barking up the wrong tree and if the patient refuses to deposit we have gotten rid of a bad one without much loss.

Another thing is this, if some work is done and another dentist has a chance to see the work before it is paid for that work will never be paid for in ten thousand years and all the money S. S. White plus the Dentists' Supply Co. could raise would not compel the patient to pay.

Hence the importance of collecting all bills as early as pos-

sible. If a bill is not paid within three or four months it might as well be charged up to profit and loss.

If a debtor can be seen personally often enough he will often make some settlement. If a debtor doesn't respond to the first statement sent thorough the mail further statements so sent do more harm than good.

Also, look out for politeness. The patient who does not intend to pay is often either critical or very pleasant and polite.

C. E. FELLMAN, D.D.S.

Harvard, Nebr.

Editor Oral Hygiene:

Please insert the following announcement in your journal:

The New Mexico Board of Dental Examiners will hold meetings in Albuquerque, beginning February 7, 1921, for the examination of applicants.

All applicants must take the examination; for blanks and rules governing examination, address: M. J. Moran, Secy., Deming, New Mexico.

Respectfully,
M. J. MORAN, D.D.S.

Editor Oral Hygiene:

I would be greatly obliged if you would send me the No. 2 (Feb.) 1912 number of the review ORAL HYGIENE which you publish in order that we may complete the set in this Library where I am the librarian.

Yours very truly,
VICTORINE ALONSO.

Sociedad Odontologica, de
Chile, Biblioteca, Moneda 1164
P. O. 3139, Santiago de Chile.

Editor Oral Hygiene:

Kindly allow me space to comment upon the articles of Mr. F. J. Starr which have appeared in your journal.

I would hasten to correct any false insinuations that have arisen as a result of these articles because I realize that it was not the intention of Mr. Starr to "grossly insult" the dental profession, but rather, to point out the weaker defects in the conduct of our practices as seen from a layman's standpoint.

Surely, we, as educated men, are broad-minded enough to "separate the chaff from the wheat" or in other words, "wear the cap if it fits." If the brother confrere, who objected so strenuously to the plate inscription Dr. John Henry, D.D.S., will spend a little thought on this, I feel convinced that he shall change his views. Surely this only implies the same thing as Dr. John Henry, Dentist, because, literally speaking, it means the same thing. Why is it necessary in most localities to use the word Dentist? Most physicians do not word the professional plate Dr. John Henry, Physician. Why?

Because, generally speaking, the laity associate the degree of Doctor with an individual who carries on the practice of medicine. Personally, I would consider a professional plate with the inscription Dr. John Henry, D.D.S., as quite ethical. Read it over again, brother. It only means that Dr. John Henry is a Doctor of Dental Surgery, hence a Dentist or Physician, as the case may be.

Another objection raised

against Mr. Starr's articles, by a brother confrere, was his comment upon the "barber's" coat. I support Mr. Starr very firmly in this. Nothing looks more hideous than to see a man carrying on the practice of dental surgery, clad in a "barber's" coat. Remember, there is a "barber's" coat and the dental surgeon's operating coat. They are two distinct things and the former is very much in evidence. If we perform surgical operations why not dress in a manner becoming to such a high service?

The articles written by Mr. Starr gave the dental profession a nucleus for a whole lot of thought regarding the matter of fees for services rendered. Why does the average person gladly pay the physician or lawyer a fee of five dollars and upwards for a short consultation only, and the same individual object to a much smaller fee for a dental operation, for instance, an amalgam restoration?

What is wrong and who is to blame?

We dental practitioners are, because we make no effort to educate the laity, hence our fees are not only disputed, but we are dictated to. The services rendered by a dental surgeon are not appreciated or this condition would not exist. Think it over, fellow practitioners. We must admit that the majority of us are weak-kneed, loose-jointed and easy-going.

Mr. Starr displays throughout his articles a strong sense of appreciation of the science and knowledge connected with the practice of Dental Surgery.

His message to the dental pro-

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profession seems to be "Worthy Doctors, yours is a high, a noble calling, practice it as such, ever bearing in mind, as you labor in your dental vineyard, As a Man Thinketh—So is He."

I thank you.

C. J. T. KELLY, D.D.S.
Rochester Dental Dispensary,
Rochester, N. Y.

Editor Oral Hygiene:

You sure have an interesting magazine.

Yours truly,

JAS. J. KOHOUT, D.D.S.
5825 West 12th St., Cicero,
Illinois.

Editor Oral Hygiene:

ORAL HYGIENE for September 1920 asks some very pertinent questions, some of which I will attempt to elucidate upon.

To what class of diseases do apical infections belong? They can be classed under the head of Otitis—inflammation of a bone.

Are they amenable to treatment? Yes, under favorable conditions.

Will they cure themselves? Very seldom, if ever.

Is surgical interference necessary? Yes.

Is the patient liable to die? Indirectly, yes.

If apical abscesses are amenable to treatment, what is the treatment? Surgical procedure.

Will apical abscesses run their course and cure themselves? No.

Is surgical interference ever necessary, or should surgical procedures be abandoned? Surgical interference is a positive necessity.

Do apical abscesses endanger the health of the patient? Yes.

There are two questions that are rather vague and indefinite in their meaning, the answers of which are omitted at this writing.

I have endeavored to answer your questions in a concise, to my mind, manner.

Trusting it will aid in our endeavor to get at the truth, I remain,

Yours sincerely,

KING S. PERRY, D.D.S.
Pittsburgh, Pa.

Editor Oral Hygiene:

Columbia University offers a regular course for Dental Hygienists.

The approximate expense for such a course at Columbia would be from \$700 to \$900, and the requirements for admission are four years of high school. Hoping this information will be useful to you, I am

Truly yours,

A DENTAL HYGIENIST.

Editor Oral Hygiene:

Some time ago I think I remember that you made a statement in your valuable magazine that you would furnish to dentists—interested in the promulgation of the doctrine of clean teeth—matter for talks on the subject.

I have been asked to address public-school teachers' meetings on the subject and will be thankful for all data I can get on the subject.

Thanking you in advance,

Respectfully,

H. W. DAVIS, D.D.S.
Purcellville, Va.

EDITORIAL

REA PROCTOR McGEE, M.D., D.D.S., *Editor*

618 Jenkins Bldg., Pittsburgh, Pa.

ORAL HYGIENE does not publish Society Announcements, Personals or Book Reviews. This policy is made necessary by the limited size and wide circulation of the magazine.

More Dental Infirmaryes

A Christmas Editorial

NOW that the election is over, why not turn our political enthusiasm which we have just been using to save the country, or to prevent its total ruin, as the case may be, to save the mouths of children from the ravages of decay?

Why not devote some effort toward convincing wealthy men and women that the future depends upon the children and that the children depend upon their teeth?

The great Forsyth institution at Boston and the Eastman institution at Rochester are, thus far, the only institutions of their kind in the world.

Their success has been so great that no one can any longer look upon a dental foundation as an experiment.

There has never been an institution devoted to a department of public health that has rivalled either of these infirmaries in good to the community for the amount invested.

This Christmas season, when our thoughts turn to "Peace on Earth, Good Will Toward Men" is the time to talk convincingly of the needs and merits of dental service to children, to those who have the means and the desire not only to do a great good to the community but to perpetuate their names to posterity as benefactors of the race.

John Jones' big bank account won't cut much figure after the administration and the heirs and the lawyers and the tax assessors get through with it, but it will send the name of John Jones, the lover of children and the benefactor of his community, rolling down the years if he can get his eyes focused upon the great light that shows the way.

Christmas is essentially a children's celebration and preventive dentistry is essentially a work that is devoted to children.

In every community there are those who have in mind the general idea of public benefactions—now is the time to direct their thoughts toward dentistry for the masses.

Monuments have been erected from the earliest times—libraries have flourished and declined—homes for the aged, the halt and the blind are on every hill—but where are the dental hospitals that should follow the lead of the two great pioneer institutions?

Every present and potential philanthropist is the patient of some dentist. That dentist can, himself, become a great benefactor by using his opportunity to preach the benefits of endowed dental infirmaries for the future citizens of America.

Sneers

SOMEBODY wrote in, the other day, complaining that a "sneering" allusion had been made to his pet subject.

ORAL HYGIENE does not sneer.

We will discuss any subject that we see fit to discuss—always endeavoring to be fair in our discussion.

No country and no people are too sacred or too profane to escape mention if the editor should desire to mention them.

If you object to what is said, write a logical reason and if your reasoning is good it will be published.

Dental Information

ALMOST every mail brings S. O. S. letters from dentists requesting quick assistance.

Every little while the dread day approaches when that promised speech must be delivered, and as the time draws closer the ideas and memories seem to vanish.

And the speaker fears that he will have nothing to unload.

"Where can I find definite information upon this or that topic?"

"I have not the time to read back over all of the periodic literature. Will you give me references, or, better still, will you write me a speech and say nothing about having written it so that I can pass it off as my own?"

What would *you* say?

You would say just what I do—that while I would like to be accommodating, my practice will not permit me to spend the time necessary to comply with these requests.

In a very short time there will be a very satisfactory reference for those who seek dental information.

The Dental Index Bureau, organized in 1909, under the auspices of the American Institute of Dental Teachers, has already placed in the hands of the printers the first volume of the "Index to Periodical Dental Literature."

This volume will be ready about January first.

It will contain about six hundred pages.

The importance of this work cannot be overestimated. It will make a unit of our widely scattered literature and will enable us to accept or reject intelligently the ideas that are being advanced in our day.

The editors and publishers of this index receive nothing for their services.

The cost to you—six dollars per volume—is the mere cost of production. This Index should have a very wide sale among dentists.

The Committee in charge of editing and publishing the Index is composed of Doctors Arthur D. Black, H. E. Friesell and Abram Hoffman.

Involuntary Charity to Burglars

IF a woman, or a man for that matter, came into your office and asked to be taken as a charity patient, you would, if you accepted her, give her the time that was most convenient and least expensive to yourself. At the finish you would in all probability receive her heartfelt thanks.

If a burglar came into your office to get what he could of your property, he would make a very earnest effort to come when he would disturb you the least and when he would not waste your valuable time.

There is something to be said in favor of the charity patient who returns thanks and there is something to be said in favor of the burglar who does not steal your time.

But what can you say for the dead-beat?

This person makes a studied effort to get all the advantages of a pay patient—time, effort, material, skill, experience, and expects to pay less than the charity patient, because the dead-beat never thanks you and frequently brings suit or threatens to do so.

The dead-beat steals more than the burglar because, in addition to your supplies he gets away with your time, your effort, your skill, your patience and your faith in human nature; but this human "cootie" doesn't take the sporting chance of the burglar with the police—he sneaks it so that you cannot have him arrested for his knavery.

If you look upon the patient, who refuses to pay his bills, in his true light, you will speedily discover that the fewer you have of his species the better you will be at the end of every day.

The only way to eliminate the dead-beat is to work only upon the people who pay their bills. When you wish to do charity, let it be voluntary charity. Don't stand for involuntary charity to a moral burglar.

Good Sense

THE *North Carolina Health Bulletin* is a good example of what can be done with a health bulletin when a real thinking man is in charge.

Instead of being a dry recital of facts and statistics, as so many official publications are, this bulletin is a mental treat.

The following, entitled "Kept In," shows the type of stories that the *Bulletin* contains. Every issue is worth reading.

We sometimes wonder how many million times the above answer is made to parents by small children in reply to the query as to "Why late from school?" There is no one thing which contributes more to the sum total of constipation, irritability, poor nutrition, and general ill health and unhappiness in later life than the vicious practice in many schools of forcing children to "stay in" after school. Thousands of active school children from the second to the seventh grades have to sit in their desks from nine o'clock in the morning until two and sometimes three in the afternoon with only two short periods of

intermission. Now, add a few additional minutes after school, in a vast majority of cases for the most trifling and insignificant offense, and it constitutes nothing short of a disgrace to our civilization. The writer has always held that ignorance (not illiteracy) is the greatest curse in the world. Ignorance crucified Christ. Ignorance is the very breath of life to the demagogue. But if learning must be obtained through destruction of all the very fundamentals of good health, then we should cheerfully go back to primitive teaching methods, where the old type teacher would have contemplated cutting a child's throat just as quick as "keeping him in" for asking to "go out" during "books." If a teacher has not personality and force of character enough to control the pupils under his or her care without resorting to this abominable practice, close the school and let the pupils remain at home. On the other hand if a child is not amenable to some other form of discipline the teacher has the legal right to send him home. We here and now request every county superintendent and the head of every city school system in North Carolina to bring this question to the attention of every individual teacher with the demand that the practice be discontinued immediately and forever in this State.

Japanese List Physicians and Dentists for Possible War Work

Tokio, Oct. 19.—As a result of the census taken Oct. 1, the figures of which have not been announced, the government is sending circulars throughout the country asking physicians, surgeons, dentists, pharmacists, tailors, blacksmiths and other persons, whether they would be willing to serve in the army in case of war.—*The Pittsburgh Press*.

Standardized Hospitals Urged

Standardization of hospitals, with regulations requiring registration of all cases was urged by Dr. George C. Johnston, X-ray specialist at the Mercy Hospital, speaking on "The Human Scrap Heap" at the regular luncheon of the Pittsburgh Association of Credit Men in Hotel Chatham.

According to a report in the August, 1920, *Dental Cosmos*, on April 22, 1920, the Pennsylvania State Dental Society unanimously passed a resolution approving the licensing of the dental hygienist and providing for her education and sphere of activity.

Pennsylvania has been considered by many the ground upon which the decisive debate as to the practicability of licensing the dental hygienist would take place.

What will Missouri decide?—*Hettinger's Dental News*.

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ORAL HYGIENE

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Laffodontia

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LAWYER — Don't you think twenty-five thousand in cash would be punishment enough for his breach of promise?

THE AGGRIEVED — No, indeed! I want him to marry me.

ROMANTIC PARENT — Some still maintain they can see people smuggling on this beach at night.

LITTLE BOY — Yes, I know. Grandma said it's disgusting.

The head of the family glanced up from his paper and remarked:

"I see there's a new hippopotamus at the zoo." Glancing at his son a moment later, he asked:

"What are you laughing at, Harry?"

"I was jus' laughin' to think of a stork carryin' a hipperpotamus!" returned Harry.

THE ARTIST — Will you sit for me?

THE ER-ER-LADY — Wodger think I am—a blinkin' 'en?

EMPLOYER (to clerk) — "If that bore Smithers comes in, tell him I'm out—and don't be working or he'll know you're lying."

"A movie vampire, you say?"

"Yes."

"But she is modestly clothed and her conduct is quite proper."

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"Well, sir, I gives him a telegram to send to my gal, an' he starts readin' it. So, of course, I ups and gives him one."

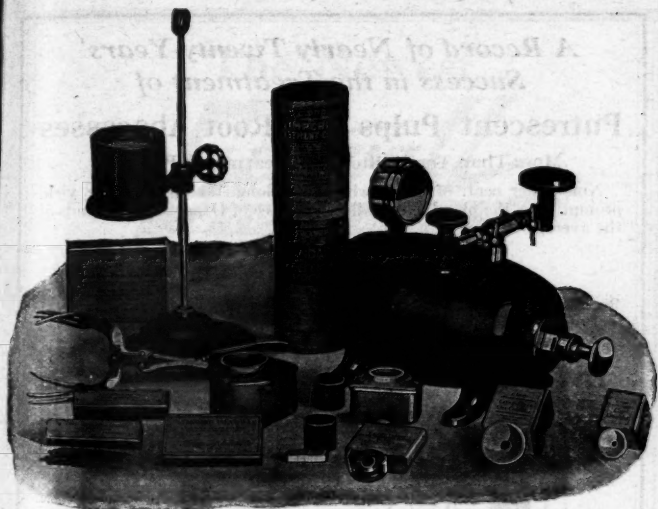
Farmer Jones was on his way home from town when he thought he had forgotten something. Twice on the way he stopped and looked over the packages in the wagon and searched his pocket-book, but decided he had everything with him. When he reached home his daughter came running out, and with a surprised look on her face, said: "Why, father, where's mother?"

"Look grandpaw, a new gowf ba' I fooned, lost on the links."

"Are ye sure it was lost, Sandy?"

"Oo, ay; I saw the mannie an' his caddy lookin' for it."

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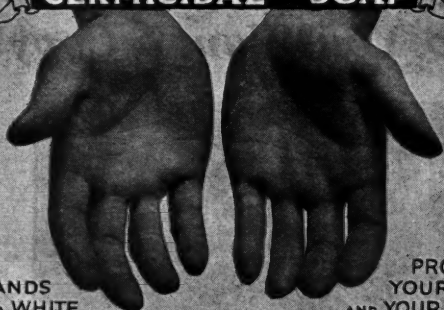
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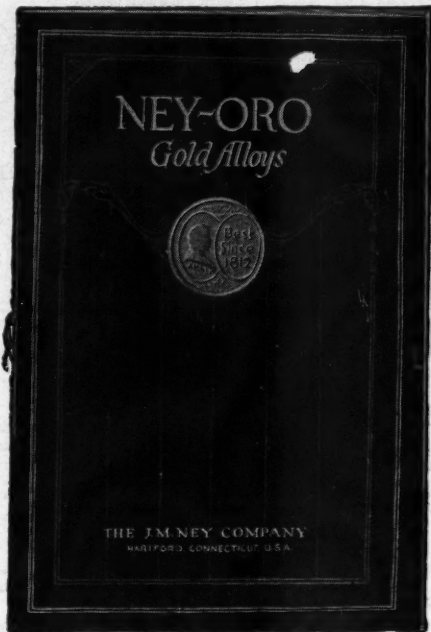
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When you start your day with a cup of steaming, fragrant coffee, you owe most of the pleasure derived from it to Brazil. If your breakfast table is a mahogany one, that may also have grown in Brazil at one time (as a tree, not as a table). And—oh yes, Brazil gives us Brazil nuts. Of course, this is not the slang version, because a “nut” wouldn’t know enough to use

“GOLDDUST” RUBBER

(Trade Mark Reg. U. S. Pat. Off.)

This issue finishes the series of “Trips ‘Round the World with ‘Golddust.’” To those who have been so unfortunate as to miss the other eleven “trips” we repeat our reasons why you should use “Golddust” for your plate-making: Because it is exceptionally strong, plates made with it are absolutely non-porous, and it is both easily manipulated and vulcanized. It is of low specific gravity, therefore economical to use, and with the minimum of effort you can give it that beautifully lustrous high polish which shows the admixture of finely pulverized aluminium with the rubber. Send the coupon before the year “goes out.”

PRICES:

\$5.25 per pound

1/6th pound sample box (about 5 sheets) \$1.00

\$2.63 per half pound

ATLANTIC RUBBER MFG. CORPORATION

Successors to


TRAUN RUBBER COMPANY

239-243 Fourth Ave., Dept OH-12, New York

OH-12

Enclosed
\$1.00 for
Sample box
of “Golddust”

Dr.

INCE it is an established fact that oral filth and infections of the periodontal structures hold a casual relation to many systemic diseases, it follows that the dentist with the physician, often finds it necessary to *insist* that the teeth be kept clean.

On these occasions, Colgate's Ribbon Dental Cream doubtless comes to his mind because of its intrinsic merit as a dental detergent. He may also find satisfaction in specifying Colgate's, because it stands in such sharp contrast to the mass of tooth pastes for which wholly unwarranted remedial claims are made.



Treatment of Vincent's Angina

IN the treatment of Vincent's Angina, pseudo membrane mouth infections, and similar conditions, Hyclorite has proved a potent solvent germicide—free from the irritating character of chloramin antiseptics.

Hyclorite is a stable concentrated Sodium Hypochlorite of unusual keeping qualities, always ready for immediate use.

Hyclorite acts as a rapid solvent of necrosed tissue and pus. It cleans and produces a flow of serum from the healthy tissue cells. It does not irritate normal tissues.

Try Hyclorite for Vincent's Angina. Swab the infected area with full strength Hyclorite and spray teeth, gums and membrane with a 2% solution. Instruct the patient to put 10 drops of Hyclorite in a half glass of tepid water and to use the dilution every hour as a mouth wash. This treatment will give excellent results.

*Accepted by Council of Pharmacy and
Chemistry of the A. M. A. (N. N. R.)*

Write for sample and literature to

Bethlehem Laboratories, Inc.

BETHLEHEM, PA.

Manufactured by	For
General Laboratories	Bethlehem Laboratories, Inc.
Madison, Wis.	Bethlehem, Pa.

Do you ever dread to use a broach?

How the new "Heat Treating" Process yields a broach you may handle confidently.

Do you ever dread to use a broach—no matter how well *some* other broaches of the same brand have performed?

If *one* broach out of every dozen or every fifty, or every gross, is going to break under normal strain—that *one* weak broach is almost sure to be the *one* you are using in the critical case where a broken broach is a calamity.

When you start using them you will find that you can use *any* Dayton HEAT TREATED Broach with equal assurance. For not only are they strong and supple, not only are the barbs strong and sharp and tough, but each and every HEAT TREATED Broach is just as strong and supple as every other HEAT TREATED Broach. It is "uniformity made uniform."

The secret of the uniformity of Dayton HEAT TREATED Broaches

Under a special process, developed by us, the steel wire, of which Dayton Broaches are made, undergoes a *Special Tempering Process* in which the exact temper of the finished product is predetermined. This new process insures not only strength and flexibility but exactly and precisely the *same* strength and flexibility in *any* Dayton *Heat Treated* Broach you pick up. It is "uniformity made uniform."

THE DAYTON DENTAL SUPPLY
COMPANY

DAYTON, OHIO

"Broach makers since 1900"

All Dealers



Send for Free Samples. Dayton HEAT TREATED Broaches sell for \$5.00 PER GROSS—a half gross assortment in a red box, each dozen put up in a sealed glass vial. This Aseptic packing is new too.

Why dentists on the Pacific Coast use and recommend REVELATION Tooth Powder



FOR fourteen years, August E. Drucker personally demonstrated Revelation Tooth Powder to the dentists of the Pacific coast region.

Not until July of this year did he employ advertising.

And yet—last year alone, over one million cans of Revelation were sold.

Why this fact should be interesting to you.

This fact would not seem to bear upon your interests as a dentist. But consider: this great demand for Revelation came *entirely* from the recommendation of the Pacific Coast dental profession.

August Drucker took his Revelation to the profession. He asserted that Revelation—though entirely *free* from *acid* or *grit*—would dissolve bacterial plaque (film), overcoming fermentation around the necks of the teeth—overcoming sensitiveness, and soft, inflamed, bleeding gums.

He told Pacific coast dentists that Revelation contained *no* grit, *no* formalin, *no* chlorate of potash, *no* poisonous drug

of any kind, *no* corrosive compound.

At first they were probably skeptical—but they accepted his clinical samples and, testing them, found that August Drucker spoke the truth.

And so, through the years, Revelation grew in favor until it has reached the present great sale of one million cans per annum.

Pacific Coast dentists make a discovery

Pacific Coast dentists did not use and recommend the use of Revelation for any other reason than this: they discovered that Revelation provided them with the *safest* and most *effective* dentifrice they had ever known.

Would you not like to know Revelation too?

A full size can will be sent you free upon request, together with information touching use of Revelation for polishing the enamel and removing stains.

August E. Drucker Company, 2700 California St., San Francisco, Calif.

—no grit

—no acid



TWO American Dental Rubbers

ORALYKE — the result of a new discovery

ORALYKE is the new *American* dental rubber that has solved the "all pink" denture problem.

It is the result of a new discovery.

The shade is as near to the color of the natural gum as human agency can produce in a rubber of the required efficiency for making a full denture.

ORALYKE is permanent in color. It is lighter in weight than any other rubber. It is stronger than any base rubber. It is more easily packed. It takes a high polish. And it will not irritate the mouth.

ORALYKE is made in three shades — light, medium and dark.

It is the distinctive *American* rubber giving quality—durability and satisfaction—both to the profession and their patients.

A sample of ORALYKE, sufficient to make a full denture, *free* for the asking.

ORALYKE—made by the makers of GUM LYKE—is for sale at supply houses, at \$5

Test ORALYKE Yourself

A sample of ORALYKE free for the asking—enough to make a full denture.

Industrial Rubber C

Long Island City, N. Y.



GUM LYKE — “looks as if it would bleed if it were cut.”

GUM LYKE is an *American* Dental Rubber.

GUM LYKE is *gum-like* — exactly what the name implies. It is a perfect reproduction of the human gum—faithful in reproduction of color and the delicate tracery of blood vessels.

Just say “GUM LYKE” to your laboratory man and he will understand that you want the best.

GUM LYKE makes a *strong* denture, *light* in weight. And it is guaranteed not to inflame the delicate tissues of the mouth.

All dealers sell GUM LYKE —at \$30 the pound or \$2 the ounce.



This trade-mark identifies
GUM LYKE

Corporation

Originators of Better Dental Rubbers

It is a
POSITIVE FACT

that the day is here when carious or broken teeth can be restored to natural beauty, durability, and comfort, by means of

CASTPORLAIN
(Casting Porcelain)

It is the most natural reproduction of live tooth structure ever contributed to dentistry. It is so hard that it will cut glass. It is very simple in its application, for it is cast the same as you cast gold — from a wax pattern.

CASTPORLAIN insulates the pulp soothingly, and is in no way an irritating intrusion, as are all metals.

JACKET CROWNS, INLAYS and RESTORATIONS can be cast with ease.

Facings may be cast into open faced crowns, Pink gum can be cast to detachable bridge teeth, or porcelain crowns.

CASTPORLAIN is supplied in twenty shades, including Gum Pink.

The shades of Castporlain are permanent, and positively will not discolor in the mouth. A **TRIAL OUTFIT** of Castporlain comprising three shades, special crucible former, and one can of **CERAMOC-CAST** investment compound with full directions will be supplied for \$10.00.

Order through your dealer, or send direct to the Laboratories of the

DENTAL CERAMIC CORPORATION
Greenport, Suffolk Co., N. Y., U. S. A.

Descriptive booklet sent upon application.

Zhongiva

WHEN the late Dr. D. D. Smith, of Philadelphia, prepared and read papers at dental conventions, he permitted no discussion of his practices or theories. It is recognized today that no discussions were necessary.

Dr. Smith realized years ago the value of zinc chloride for treating oral sepsis. The problem was to overcome the objectionable taste of zinc chloride. Dr. Smith did this by working out his own formula—Zhongiva—with a 36% alcoholic content.

Your druggist or dental supply house can furnish you with Zhongiva.

Zhongiva is used in treating pyorrhea, receding and spongy gums, gingivitis, acute inflammatory conditions, erupting wisdom teeth, sore tender mouths, after extractions and for teething children.

Now Manufactured by

John H. Wood Company

126 Market Street, Philadelphia



ASH'S SOLUTION

***A Most Powerful — Non-Coagulent — Non-Poisonous
Germicide — Antiseptic — Deodorant***

For treatment of Pyorrhea, Pus Pockets, Root Canals and Apical Abscesses, Scaling and Extractions, Diseases of the Antrum, Preparation of Cavities and many other purposes.

Ash's N/M Tube Teeth

Ash's Diatoric Teeth 8s, 14s and 28s

Ash's Repair Facings

Ash's Long Platinum Pin Facings

Ash's Hand-made Forceps and Elevators

Ash's High-grade Burs

Ash's Syringes, Mouth Mirrors and Instruments

Ash's Impression Trays

Ash's C. A. S. Cement

Ash's Modeling Composition and Waxes

Ash's High-grade Pink Dental Rubbers

Ash's High-grade Base Dental Rubbers

The result of 100 years manufacturing experience.

Known the World over for their excellence.

Claudius Ash, Sons & Co., U. S. A.

(Incorporated)

**Lincoln Building
New York**

WILLIAMS READY-MADE CLASPS

Save Dentists
about \$2.00
on each
Clasp

A HAND-MADE clasp costs \$1.00 for a $\frac{1}{2}$ dwt. clasp, time and waste \$2.00—total \$3.00.

Williams ready-made clasps cost \$1.00, time \$0.10—total \$1.10.

You save about \$2.00 on each clasp.

Williams Ready-Made Clasps possess rigidity and resiliency impossible to be found in hand-made or cast clasps.

They are semi-ready for any case.

They stand bending and fitting without fear of breaking.

Made in three sizes.

No. 1 for Molars
No. 2 for Bicuspids
No. 3 for Cuspids

Each clasp contains approximately $\frac{1}{2}$ dwt. high grade clasp metal and is sold for practically the same price as the clasp plate.

You save from fifteen to sixty minutes on each case and have a clasp that is superior to hand-made or cast clasps.

Price

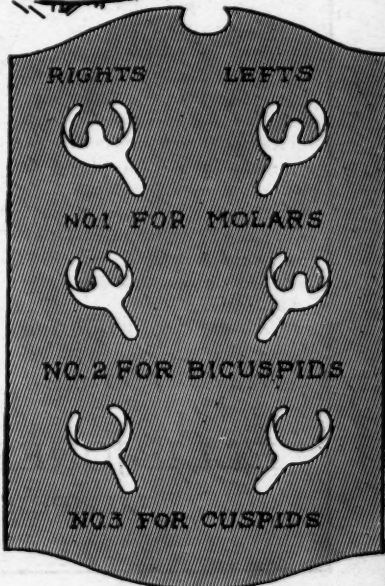
No. 1 Molars	\$1.10 Each
No. 2 Bicuspids	1.00 Each
No. 3 Cuspids	.90 Each

For Sale by All Dealers

**The Williams Gold
Refining Company**

Buffalo, N. Y.

Bridgeburg, Ont.





PRESCRIBE
"UNIVERSAL"
The Perfect Scientific Tooth Brush

PRO-PHY-LAX-O TAB-LETS
 (Gardner)

Aseptic; Germicidal

¶ One or two drops of water or dioxogen and you have an unequalled cleaning mixture. No crushing nor delay, but a thick, creamy mass which clings together and renders the cleaning of the teeth a pleasant operation to both operator and patient. There is no comparison between Prophylax-O Tablets (Gardner) as a safe, convenient and pleasant dentifrice, and the ordinary pumice mixture and they pay for themselves in time saved.

A post card will bring a sample package of Prophylax-O Tablets.

¶ The Universal Tooth Brush reaches and cleans every heretofore inaccessible tooth surface. The principle of this brush is the same as the double end scaler—the peculiar angle enables the user to easily place the Universal Tooth Brush back of the teeth in any part of the mouth.

¶ For this reason the Universal Tooth Brush is the best preventative of pyorrhea or Riggs disease.

¶ Ask your druggist to stock them for the convenience of your patients, or stock them yourself.

*Sample by mail
 Post Paid 75c.*

ELLIS-JONES DRUG CO.
Sole Distributors
MEMPHIS TENN.

ELLIS-JONES DRUG CO.
MEMPHIS, TENN.

*Put this subtle salesman
to work*



Your patients expect you to use sterilized instruments. They expect you to be up on the most recent developments in dental surgery. But, they have no means of knowing that your instruments are sterile. Yet—when you offer a fresh, clean, white Lily Cup, they instinctively feel that everything about you and your office is just as it should be.

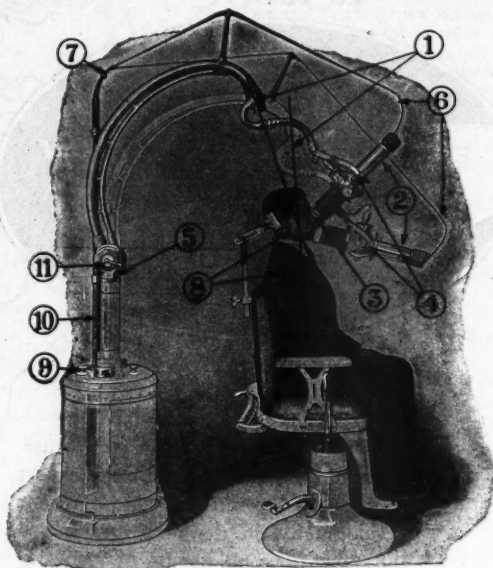
Let us send you—gratis—a generous package of Lily Cups. Watch them build confidence for you.

PUBLIC SERVICE CUP COMPANY
BUSH TERMINAL BROOKLYN, N. Y.

*They'll
appreciate a*

LILY

Dental X-Ray Perfection



Each of these eleven points
means something to you

IF you attended the Boston Show in September you saw the New Engeln Dental X-Ray Unit and know these ten points are ten in advance of anything in Dental X-Ray Apparatus yet produced.

If you were not there, we will gladly mail you a copy of our bulletin which fully covers these points — yours for the asking.

The Engeln Electric Co.

4601-11 Euclid Ave.

Cleveland, O.

BRANCHES

Philadelphia
Pittsburgh
Schenectady

Detroit
Chicago
Los Angeles

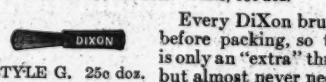
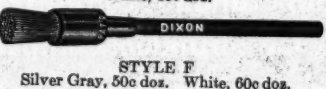
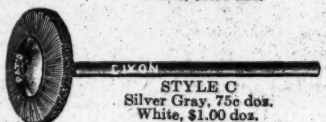


Teeth Cleaning Brushes

These brushes are *standard* in the dental profession. Perfection is developed only by years and years of experience. As the oldest manufacturers of dental

brushes in the United States, we have developed expert knowledge as to sources of supply, selection and manufacture of these necessary tools of the dental profession.

DiXon's brushes are made in a modern, sanitary, daylight factory at Newark, New Jersey.



Unbleached Bristle

DiXon's silver-gray bristles are unbleached and in their natural state. We recommend them to the trade as superior to the white bristles obtainable today — and they are much less expensive. The bristles in these brushes are carefully selected and have the correct stiffness.

DiXon Guarant-

Every DiXon brush is individually inspected before packing, so that the DiXon Guaranty is only an "extra" thrown in with your purchase, but almost never needed.

Where to Get Them

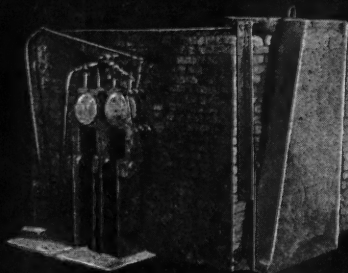
We'll gladly tell you what dental depot near your office can supply you with DiXon Brushes, as we are wholesalers' strictly.

William Dixon, Inc. 39 John Street
NEW YORK

"Brush-Makers for a Lifetime"

Manufacturers, Importers and Exporters of Dental Supplies

ESTABLISHED 1868



A CARBORUNDUM FURNACE

The Carborundum Company makes every ounce of Carborundum produced.

Choosing

Green Carborundum

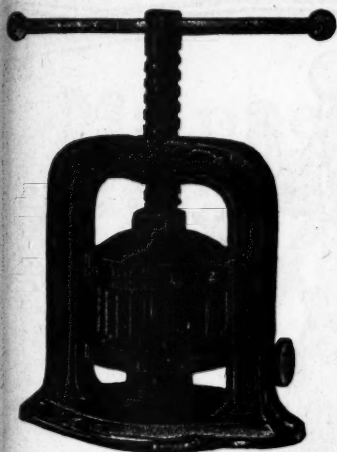
—the green happening to be the purest form in which carborundum comes from the furnaces—the Carborundum Company itself makes Green Carborundum Dental Goods, for which the sole Sales Agents are

Lee S. Smith & Son Mfg. Co.

PITTSBURGH, U. S. A.

Ask Your Dealer

Make Your Own Gold Shells



Bear this in Mind

The Sharp Draw Press will make any size of shell from a gold disk in a minutes time. You can also reduce the size of a shell already made.

You avoid the risk of running out of sizes needed and you do not have to tie up a lot of money in a stock of ready-made gold shells.

Our Presses were standardized fifteen years ago.

Are you familiar with the Sharp Crown Outfit?

Ask your dealer or write

THE W. M. SHARP MFG. CO., Inc.
Binghamton, N. Y., U. S. A.

Opal Glass Medicine Bottles

three inches high with
label burned into
the glass.

From your dealer or

Lee S. Smith & Son Mfg. Co.
Pittsburgh, U.S.A.



Opal
Glass

Burnt
Label

Use a superior material—

Peerless Pulp Preserver

A medicated cement for the capping of pulps and the lining of deep cavities. Quick setting.

Permanent fillings may be inserted at once.

Cash with order or sent through your dealer upon request.

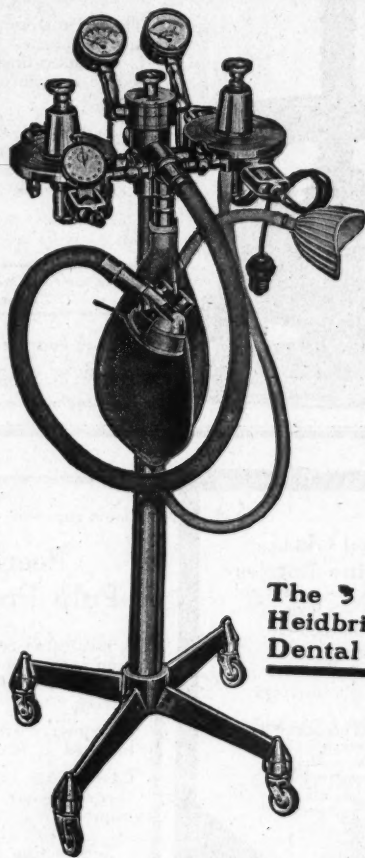
Satisfaction Guaranteed

Price \$2.00

Sold by

L. E. Noble, D.D.S.

Endicott, N. Y.



**The 3 3 3
Heidbrink
Dental Unit**



Mapped-Out Anesthesia,,

ANESTHESIA is *routed* by simple directions, and *charted* by the dial markings on the gauge of the Heidbrink Automatic Anesthetizer.

By following these plain guides in connection with the stop watch timer, the operator administers Heidbrink *universal dosage* with absolute precision.

Over 20,000 clinical tests have proved this dosage correct for 90% of all patients. Dosage is varied as needed to fit the abnormal 10% by simple adjustments on the Heidbrink machine.

Heidbrink accuracy, simplicity and *universal dosage* solve your anesthetic problems. Write Dept. T for full information on this machine.

THE HEIDBRINK COMPANY
MINNEAPOLIS MINNESOTA



Hood's Filling Golds

When a gold filling is indicated
you will make no mistake by using

Hood's Gold

This gold has borne an enviable
reputation since 1865 and is now, as
then, manufactured with the utmost
care.

Plastic gold cylinders as the name
implies have special working quali-
ties—and are unsurpassed.

Made in the following sizes



These cylinders are semi-cohesive, made from
corrugated gold, and are made cohesive
by annealing

JOHN HOOD COMPANY

178 Tremont Street

BOSTON

MASSACHUSETTS

What would you do if they were your teeth?

DOCTOR, suppose all your teeth were plastered over with mucous plaques! And you had pyorrhea and recession of the gums! And caries, and well-developed erosions from excessive acidity of the oral secretions!

Most emphatically you'd think it was high time to have your mouth, put in order and then get busy with Calox—The Oxygen Tooth Powder.

Why You'd Use Calox

You'd do this because you know that only by means of a powder can you adequately clean the teeth. All pastes and washes lack the necessary "grip" and "bite". And no other powder is as soluble as Calox, nor is so carefully tritured.

Calox can never, under any circumstances, form particles to harden under the gum margins, and form foci for pyorrheal infection.

Calox develops milk of lime and hydrogen dioxide by contact with water, or the mouth fluids. This instantly dissolves the film and mucous plaques from the teeth, neutralizes all acids, and soothes sensitive dentine and erosions.

Also it oxydizes pus from pyorrheal pockets, and destroys particles of food left to decay between the teeth.

Calox a Tooth Cleanser—Not a Flavoring Extract

Calox cleans the teeth. It doesn't merely perfume the breath and flavor up the mouth. It actually kills germs. It doesn't merely threaten to slap them smartly on the wrist.

And finally, Calox is absolutely free from the phenols, organic acids, essences and flavoring oils found in most dentifrices—that only irritate the gums and increase the sensitiveness of the teeth.

You would prefer it for yourself, Doctor. Why not recommend the best there is for your patients? It will help them, and help your reputation.

Send your card for a full-sized package of Calox for yourself and a dozen samples for your patients.

Also, if you have not yet received our special booklet on Pyorrhea—the very latest word on the subject—let us know, and we will remedy the omission.



McKESSON & ROBBINS

91 FULTON STREET

NEW YORK CITY



No Wonder She Smiles!

Patients and Dentists
alike are proud of Inlays
made with

JELENKO'S Special Inlay Casting Gold

Not only does it cast
perfectly, with sharp,
true margins, but it
polishes so satisfactorily,
from the standpoint
of the patient.

Any dentist can safely
entrust his reputation
of Inlay work to the
sterling qualities of
JELENKO'S GOLD.

It is harder than pure gold. Contains an alloy which prevents its
flowing under stress.

Jelenko's Special Inlay Casting Gold, per dwt.....\$1.20

Other Jelenko Casting Golds Are:

Jelenko's 18 and 20 Kt. Casting Golds for plate, bridge and saddle work.
Dense, non-porous, light yellow in color. Remarkable tensile strength.

18 Kt. Casting Gold, per dwt.....\$1.00
20 Kt. Casting Gold, per dwt.....\$1.10

Jelenko's No. 5 Casting Clasp Gold, for strong, springy clasps, finished in
platinum color. Contains high percentage of Platinum and Palladium. Fusing
point 1950 F.

Price, per dwt.....\$2.50

Jelenko's No. 6 Casting Clasp Gold, for clasps, just as strong and springy as
made with No. 5, but finished in GOLD color. Contains 5% Platinum. Fusing
point 1760 F.

Price, per dwt.....\$1.65

If you believe in specialized products for special needs, you will become a user of
Jelenko's Golds.

*An interesting booklet, "How to Cast"
will be sent you upon request*

Most Dealers carry Jelenko's Casting Golds. If yours cannot supply you, write
direct to us.


Manufactured by

J. F. JELENKO & COMPANY

Manufacturers of Dental Gold and Solder

1 Union Square

New York, U. S. A.




LINGUAL BAR

PATENT APPLIED FOR

THE BARS THAT NEED NO BENDING ARE

JELENKO'S



PALATAL BAR

PATENT APPLIED FOR

The Purpose of Ready-Made Bars
is primarily to save the time of the laboratory man.

Jelenko's Lingual and Palatal Bars

were designed with that idea always in mind. Their wide popularity proves the success of the designing.

Jelenko's Lingual Bars

have an angular bevel on the surface adjacent to the anterior portion of the jaw.

The surface next the tongue is also beveled, following the contour of the mouth.

Ends of the bars are half-corrugated, half-flat. This combination makes a bar that will hold firmly in the rubber, bend without breaking and permit a firm grip with the pliers.

PRICES 18 Kt. Cased Lingual Bars

Guaranteed one-fifth part Gold

No. 1 Long, Medium and Short, \$1.50

16 Kt. Solid Gold Lingual Bars

No. 1 Long.....\$2.50

No. 1 Medium.....\$2.25

No. 1 Short.....\$2.00

18 Kt. Extra Heavy Solid Gold Lingual Bars

No. 1 Long.....\$4.00

No. 1 Medium.....\$3.75

No. 1 Short.....\$3.50

Jelenko's Palatal Bars

were designed because of a conviction that there was an urgent need of a **Ready-Made Palatal Bar**. Strong and resilient. They better every case in which they are used.

16 Kt. Solid Gold Palatal Bars

No. 5 Short.....\$3.00

No. 6 Medium.....\$3.25

No. 7 Long.....\$3.50

**Ask for JELENKO'S BARS and
You Will Be Satisfied**

For Sale at All Dental Depots

J. F. JELENKO & COMPANY

Manufacturers of Dental Gold and Solder

1 Union Square

New York, U. S. A.

**For
Soldering**



**For
Casting**

WE HAVE NEVER SAID THAT

Rideout's Graphite Investment and Inlay Paint

were the best on the market. We prefer to send you samples and let them tell their own story.

They aren't bashful about it, for we notice a lot of orders come in from men who have heard them tell it.

***Are You a Good Listener?
Your Samples Are Ready.***

M. F. PATTERSON DENTAL SUPPLY CO.

Box 1100—ST. PAUL, MINN.

The Suction With the Bulldog Grip



No Cement Necessary

They slip in like a clincher tire. Patients can renew their own cups.



**THIS SUCTION IS IN A
CLASS BY ITSELF**

Doctor! When you get one of those bad cases that you cannot make hold, send it to me ready to flask and I will insert retainers and send your plate back finished for \$6.00. These retainers can be placed in any plate partial full upper or old plate.

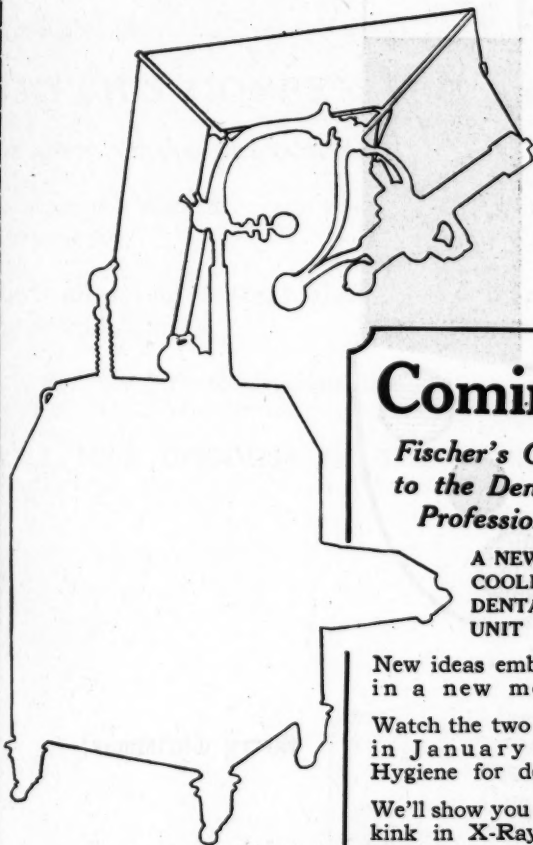
**Suction Outfit Complete With an Extra Pair
of Suction Cups, \$2.00.**

*Suction Cups 50c Pair
Patented Sept. 14, 1920*

If your Supply House or Laboratory cannot supply you, order direct and we will mail at once. Money must accompany all Mail Orders or C. O. D.

DR. JOHN LEHNER

**1802 CARSON STREET
PITTSBURGH, PA.**



Coming

*Fischer's Gift
to the Dental
Profession*

A NEW
COOLIDGE
DENTAL
UNIT

New ideas embodied
in a new model.

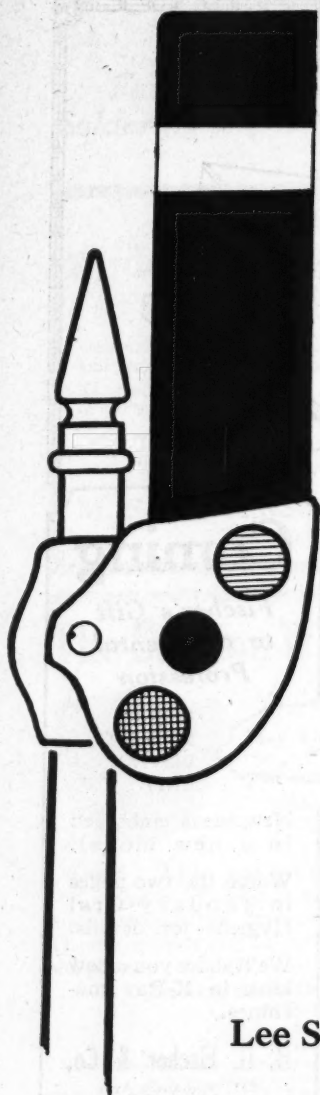
Watch the two pages
in January Oral
Hygiene for details.

We'll show you a new
kink in X-Ray ma-
chines.

H. G. Fischer & Co.

2337 Wabansia Ave.
CHICAGO, ILL.

THE SAFE



Merry Christmas!

Lee S. Smith & Son Mfg. Co.
Pittsburgh, U. S. A.

SAFE CEMENT

When you use

SMITH'S COPPER CEMENT

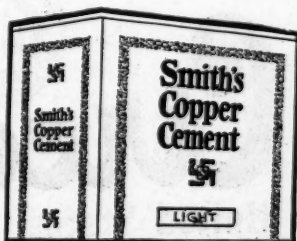
the safety signal is set to stay set.

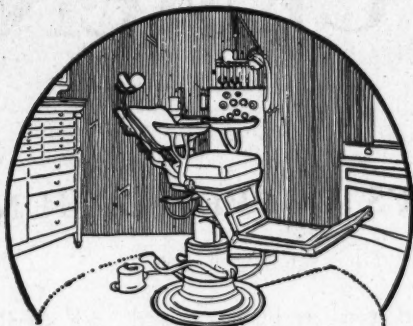
As a surgeon sterilizes every wound, so it sterilizes every cavity.

Use it for setting crowns, bridges and inlays, also for general fillings.

It is the only germicidal cement that

WILL NOT DISCOLOR IN THE MOUTH





Circumat

United States Rubber Company

Circomats are ample in size. Their easy, resilient surface is always underfoot *where you work.*

Nearly all good dental supply houses in the United States sell the Circomat. If your dealer does not, send us his name and we will arrange to supply you.

United States Rubber Company

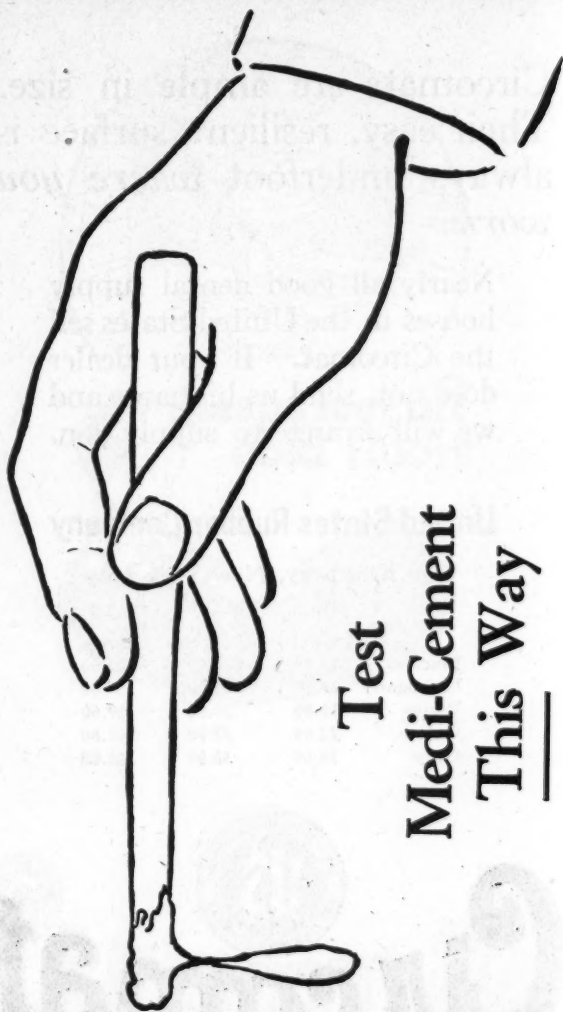
1790 Broadway, New York City

	1/2 Circle	3/4 Circle	Circle
Black	\$15.00	\$20.00	\$25.00
Mahogany	20.50	29.00	37.00
White	21.00	30.00	39.00
Green	22.00	32.00	41.00
Gray	23.00	33.00	43.00



Circomat

United States Rubber Company



**Test
Medi-Cement
This Way**

The astonishing imperviousness of Medi-Cement, even while in a plastic state, is dem-

The astonishing imperviousness of Medi-Cement, even while in a plastic state, is demonstrated by dropping it off the end of the spatula into red ink.

When fractured after hardening, even a magnifying glass does not reveal the slightest evidence of penetration of red ink.

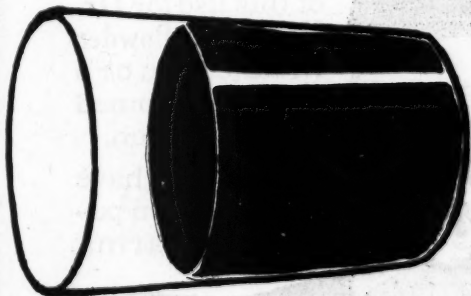
This test also demonstrates the hydraulic properties of the material, which sets more rapidly when wet than in the open air.

It is perfectly obvious that a product which makes good when subjected to such a test, will adequately perform the functions of a temporary filling material.

—And then there are the sedative and mildly antiseptic properties of the oil of cloves.

LEE S. SMITH & SON MFG. CO.
Pittsburgh, U. S. A.

Have you mixed the sample we sent you?



Keeps Partial After

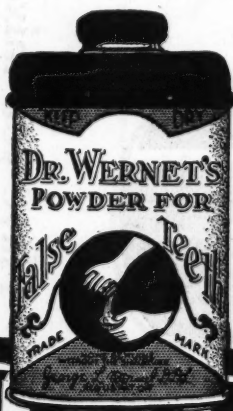
PATIENTS wearing partial plates who have had extractions made preparatory to the fitting of a new denture, will welcome the comfort made possible by sprinkling the partial plate with **Dr. Wernet's Powder (White.)**

Dr. Wernet's Powder (White) will keep the partial plate in place until the denture is finished.

Dentists attending the National

Dental Convention held in Boston, who learned of this use for **Dr. Wernet's Powder (White)** more than welcomed the suggestion.

When you have work to do on patients wearing





Plates Firm Extractions

partial plates, use Dr. Wernet's Powder (White) to make the old plate adhere until new one is ready.

Put Dr. Wernet's Powder (White) to a strict comparative test for color, taste, odor and adhesive qualities and you too will credit it with superiority in every particular.

Dentists Are Using Dr. Wernet's Powder (White)

To eliminate bite plate troubles when trying out for lines of expression and making face bow measurements.

To keep wax trial plates in place.

To prevent cotton rolls from sliding and slipping.

On old plates after changes have been made in them.

On new plates which, due to the insistence of the patients, have to be fitted several days after extractions.

On temporary plates.

On plates for flabby ridges.

Sold by drug stores, department stores and dental supply houses

H. R. Lathrop & Co., Inc.

116 Beekman Street

New York





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CASTING GOLDS TEN GRADES

18K } 20K }	For full and Partial Dentures
22K } 24K }	For Inlays
24K	containing 3% Platinum
24K	containing 5% Platinum
K-K } F-F }	For CLASPS Abutments and
C-C }	Lingual bars
C-S	For Saddles

LITERATURE awaits your INQUIRY

CHAYES' CASTING GOLDS SIX GRADES

A B C D E Ingots K Wire

BAKER & CO., INC.

Refiners and Workers of Platinum Gold and Silver.

30 Church St. New York 54 Austin St. NEWARK, N. J. 55 Wabash Ave. Chicago.



Announcement of Merging of Victor Electric Corporation with X-Ray Interests of General Electric Company

An arrangement has been completed which took effect October 1, 1920, under which the entire business of the Victor Electric Corporation and X-Ray interests of the General Electric Company have been merged in a new corporation formed for the purpose and known as the VICTOR X-RAY CORPORATION. The new company has exchanged its capital stock for the X-Ray patents and good will of General Electric Company and for the assets and business of the old Victor Electric Corporation.

The formation of the new company will result in full manufacturing, engineering and research co-operation between Victor X-Ray Corporation and General Electric Company with respect to X-Ray problems. It will extend further the usefulness of the two companies and consequently, present needs for Coolidge tubes and other X-Ray devices will be adequately met.

The executive, administrative, engineering and sales staff of the old Victor Electric Corporation will remain practically unchanged. Mr. C. F. Samms becomes President and General Manager. Mr. J. B. Wantz retains full charge of manufacturing and designing. It is contemplated to bring about a complete co-ordination of the entire Victor Corporation organization with the research and engineering organization of General Electric Company with as little disturbance of the old relationships as possible.

Dr. W. D. Coolidge of the research laboratory of General Electric Company becomes Consulting Engineer of the Victor X-Ray Corporation. Mr. C. C. Darnell of the research laboratory of General Electric Company becomes the Commercial Engineer of the Victor X-Ray Corporation. Mr. W. S. Kendrick, who for many years had charge of the commercial sale of the Coolidge tube, will be General Sales Manager. Mr. L. B. Miller remains General Manager of Agency Sales.

The Victor X-Ray Corporation will continue to carry out the same liberal policies and practices toward the X-Ray trade that have already been established by the General Electric Company.

The primary purpose of this merger was to co-ordinate the efforts of the best and most constructive elements in the research, engineering and commercial divisions of the X-Ray field to the end that users of X-Ray equipment might be served in the best possible manner, and assurances are given by the officers of the new corporation that the ideal toward which they intend to strive is 100% service.

VICTOR X-RAY CORPORATION

C. F. Samms, President

simple

THERE is no black magic about mixing

CERTIFIED ENAMEL

The Sticky Silicate Cement

☞ Just add the powder in very small portions, and mix it, and mix it, and mix it.

☞ Take your time about it.

☞ The result is a sticky mass that cements itself to the cavity walls.

☞ And as for blending of shades—the translucency largely takes care of that.

☞ Every box sold under an iron-clad money-back guarantee.

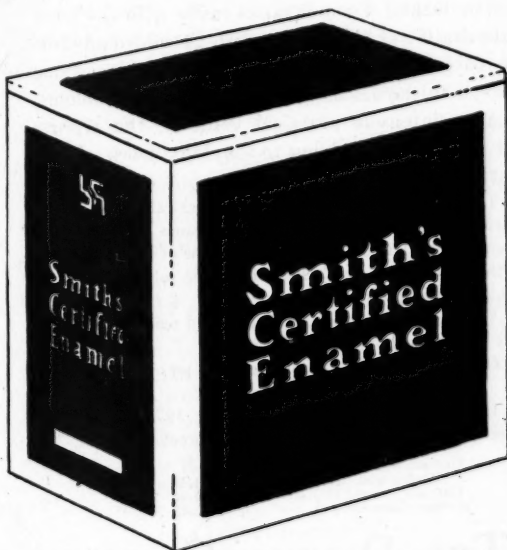
☞ Your dealer?—Certainly.

LEE S. SMITH & SON MFG. CO.
PITTSBURGH, U. S. A.

Publicity

Look for the Red Box
and say "that's it."

Full Portion
\$3.00





Practical Dental Help

WHETHER you subscribe for one or a dozen dental journals, if you are not a regular reader of the Dental Cosmos you are missing many of the most notable contributions to present day dental literature.

The Dental Cosmos ranks easily with the most authoritative of text books, with the added advantage of being constantly up-to-date. Not alone devoted to the discussion of theoretical problems, it has an intensely practical value in the reports and suggestions applying to the daily work of the dentist.

Take one department alone—"Practical Hints"—and under this heading in the first ten issues of 1920 have appeared 31 valuable suggestions, any one of which alone is worth the price of a year's subscription, in solving the daily problems arising in practice.

You must see the Dental Cosmos and read it to appreciate its practical value.

Over 25,000 readers are now entered on our subscription list.

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United States and Possessions,			
Cuba and Mexico	- - -	\$1.50	per year
Canada	- - -	1.90	" "
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"Special Light Pink"

A NEW Veneering rubber of a "healthy" light gum tint, with the same high percentage of pure rubber content as our deeper pink veneers.

This means strength and density combined with a very desirable color and a veneering rubber that takes a fine, permanent polish.

Although this is the first public announcement of the new pink rubber it is not an experiment. Like our other improved rubbers it is offered to the profession only after an accumulation of unassailable proof of its worthy character.

S. S. White Improved Dental Rubbers are "improved" rubbers; the realization of this fact is resulting in a wonderful demand for them; the demand will extend to

S. S. White Special Light Pink Veneer

In half-pound boxes

Per pound \$5.00

Attractive quantity rates

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"Since 1844 the Standard"

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"Better Dental Rubbers and How to Use Them"



CONFIDENCE!

CONFIDENCE is a prime requisite for anesthetic work. But confidence requires two things, a dependable anesthetic and a perfect technic. Novol *is* one and Novol service provides the other.

Our Educational Department has given instruction to hundreds of dentists through a series of classes in Conduction and Infiltration Anesthesia.

The technic of thousands of others has been improved through Dr. Nevin's book on Conduction and Infiltration Anesthesia.

We have but a single purpose, one thought; to make local anesthesia better and safer by providing a safer anesthetic and a safe method of using it.

The combination is obtainable. Novol at your dealer's, technic from us.

Write Us About Your Anesthetic Problems

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Makers of NOVOL Products

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BROOKLYN - CHICAGO



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The gums are swollen and tender. There are deposits of tartar which must be removed. The teeth need a thorough cleaning, but it must be done without injury to the gums. It would be almost criminal to use a stiff, harsh brush.

In Every Case

Use the discs which cannot cut, which have the polishing materials permanently incorporated within their substances.

BURLEW'S DISCS have no equal for polishing gold inlays and silver fillings.

As there is no spatter, they do away with frequent, time-consuming rinsings of the mouth.

Burlew's Cleaning and Polishing Discs

(Patented)



*The Clean
Way to
Clean
Teeth
Clean*



To be sure that you do not injure your patients' gums, is far better than to be sorry you did.

PRICES IN U. S. A.

Box of 30 Discs (Wheel Shape).....	\$1.00
Box of 20 Discs (Cup Shape).....	\$1.00
Box of 25 Discs (Asst. Wheel and Cup Shapes).....	\$1.00

For Sale by All Dental Depots

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NEW YORK



\$650
Model 310
10 M.A., 3' Gap

L-F Coolidge X-Ray Units



\$960
Model 530
30 M. A.
Variable gap,
3 to 5'

Expressly adapted to strictly dental radiography, having the advantages of the right angle Coolidge Tube. Especially easy and rapid adjustments for intra-oral work; fully counterbalanced tube holder; the complete equipment very compact and easily moved about. Can be operated either with patient in dental chair or separate chair. Operates off ordinary light wiring.

Expressly adapted to needs of the oral surgeon, who requires films or plates of the frontal and maxillary sinuses; as well as intra-oral films; or for installations where both dental and routine medical work is to be done. Fully counterbalanced tube holder. Capable of doing all radiographic work, including chest, stomach and intestinal tract. Equipped with magnetically operated exposure switch and combination cone.

Both outfits are equipped with the L-F automatic switch, which makes possible, the accurate timing of all exposures, insuring uniformity of results.

The Liebel-Flarsheim Co.

410 Home St.
Cincinnati, Ohio, U. S. A.

Manufacturers of X-Ray Apparatus for the
Dentist, General Practitioner and X-Ray
Specialist. Distributors for the
General Electric Co. Portable
Coolidge X-Ray Outfit.



The Plant
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Please send me without obligation
further information on Model
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STERN

Denture Casting Gold

"BX" GOLD per dwt. \$2.15

For the best class of saddle and plate castings—especially recommended for removable bridge work where *great strength with small bulk* is required.

"B" GOLD per dwt. \$1.65

For ordinary denture casting where a platinized gold is desired. Also for abutment inlays.

"P. S." GOLD per dwt. \$1.10

For plate and saddle casting. Makes perfect dentures at small cost.

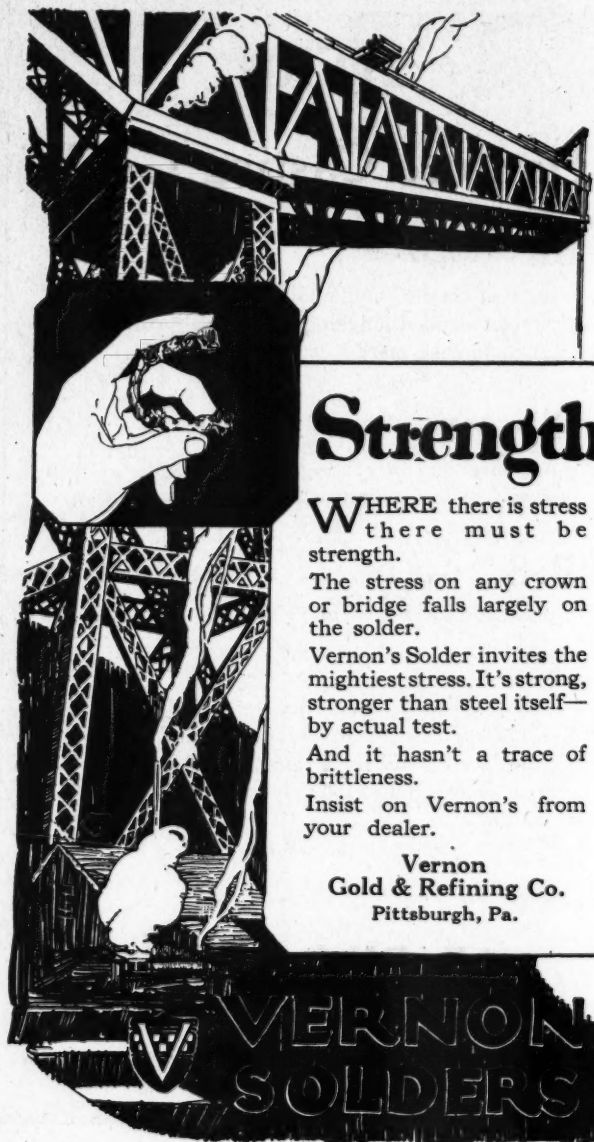
These three golds cover the requirements of most users of all types of cast gold dentures. We make a variety of others for special requirements. If you have an unusual problem let us solve it for you.

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**LEARN TO
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FOR STERN**

I. STERN & CO.

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NEW YORK CITY

A black and white illustration. The background shows a large steel truss bridge under construction, with cranes and structural beams visible. In the foreground, a hand is shown holding a soldering iron, with a bright flame or heat emanating from the tip. The hand is positioned as if applying the solder to a joint. The overall theme is strength and industrial quality.

Strength

WHERE there is stress there must be strength.

The stress on any crown or bridge falls largely on the solder.

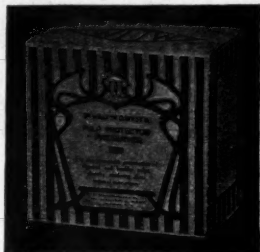
Vernon's Solder invites the mightiest stress. It's strong, stronger than steel itself—by actual test.

And it hasn't a trace of brittleness.

Insist on Vernon's from your dealer.

**Vernon
Gold & Refining Co.
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**VERNON
SOLDERS**



**Don't
Devitalize Pulp—
Save Them!**

Dr. West's Protector and Preserver, placed over exposed pulps will **positively save them**. No devitalization or nerve canal work. No experiment. Used by the manufacturer in an active practice of 25 years and still used daily with uniform success. Will do exactly as stated or money cheerfully refunded. Easy and painless to the patient, easy and profitable to the dentist. Price \$5.00. Direct or through your dealer. Literature on request.

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Believe me! there is no better goods made today than OLD ANÆCOLOGEN.

Pulp Spot has no equal in Root Canals.

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Williamsburg, Mass.



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Chair 201D**

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Description**

ARCHER MFG. CO.
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The Bosworth Efficiency System

of recording has been the means of many hundreds of dentists increasing their earnings with less work. Ten minutes of the Dentist's, and thirty minutes of the Assistant's time will keep it, and when the day's work is over, you know just what your production is and all lost efforts are shown up.

Price of Complete System \$118.00.

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We will send you the part of the System that increases earnings. We feel that as a trial to prove Mr. Bosworth's claims, this will settle all doubts as to this system improving a Dentist's earnings. Then when the improvement takes place you will want the entire system.

Mr. Bosworth and Assistants are arranging for class work in Dental Office efficiency and Office Assistants' Duties. These classes will be held all over the United States in cities where Dental Depots are located.

Write us for details

The Bosworth Bracket Operating Light With Radio Reader Attached



This makes the very best light with which to read Radio-Graphs, and the idea is to set up the pictures where both the Dentist and patient can see them while operations are being performed, or diagnosis is being made.

This idea we got from the Dental Section at Mayo Clinic.

Made to Fit any BOSWORTH LIGHT, Price \$5.00

Harry J. Bosworth Company
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Attractive Chairs

\$50.00



*Saving
Making
an
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Price*

Mr.
Dentist:
We are
talking to
you!

Why was the Peerless Harvard Chair **PRICE NOT ADVANCED** when others went up, and why can Harvards be bought at from \$50 to \$60—according to color—less than competing articles?

Answer: That a saving of \$50 or more to you is a strong inducement to carefully examine the Peerless Harvard, comparing point by point with others, and will bring to you the irresistible conclusion that the Harvard has the best material, more utilities and artistic effects and is in every respect the **HIGHEST IN QUALITY** while **LOWEST IN PRICE**. It is quality and price which creates demand for Harvard Chairs. By another method—**NOT Harvard method**—demand is not only **INDUCED** but in fact **FORCED**, at a tremendous additional **EXPENSE BORNE BY YOU**, against whom extra and useless selling overhead **MUST** be charged, though it adds nothing to the value of the goods you purchase.

Harvard Chairs **SELL THEMSELVES** and **STAY SOLD** without the necessity of expensive sales and service stations and a large sales force traveling about with the enormous expense incidental thereto.

OUR SALES ROOMS are the floors of **YOUR DENTAL DEPOT**. Our salesmen are our goods, speaking for themselves as to **QUALITY, BEAUTY, EFFICIENCY** and **A REASONABLE PRICE**.

Our **SAVINGS** on rents, salaries, hotel bills, railroad fares and incidentals is conserved for **YOU**, nicely illustrated by the difference in price from **\$50 TO \$60 PER CHAIR**. Surely this should look good to you.

If you want more information, write us direct or see your dealer.
Catalog on request.

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CANTON, OHIO, U. S. A.

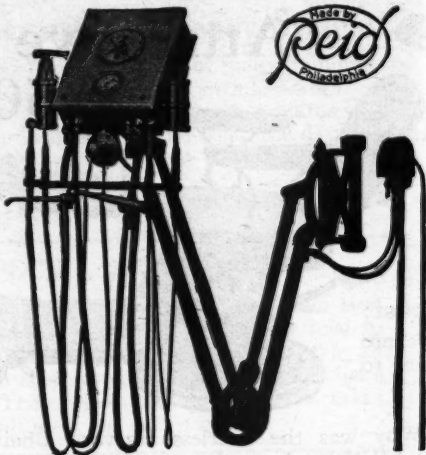
Probably you are
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You want to feel the
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from working with
"tools" that are
just right.

Nowhere can this
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**REID
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Supplied by your
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AT GREATLY REDUCED PRICES**

The most popular office garment of the day! The result of twenty-five years in the business of creating, designing and manufacturing Professional Garments.

Made in the usual **Manhattan** way. Expert workmanship throughout and thoroughly **pre-shrunk**.

Can be had in **Tan, Grey or White** racquet cloth, an excellent wearing material at only:

\$4.50 EACH OR 3 FOR \$12.00

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that the use of Brophy's TRIUMPH CAST DRESSING on your casts in vulcanizing is a quicker, cheaper, better method than the old tin-foil way?

A liquid, painted on the model, it effectively prevents cohesion and gives a clean, smooth plate.

At Your Dealer's, or direct for cash
Per Bottle, 50 Cents

Increase efficiency in your laboratory by using the Brophy Specialties. They save time, cut costs, and give superior results.

Send for descriptive circular

BROPHY DENTAL MFG. CO.

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DOCTOR — Don't hurt your Patient. Use Heatless Dental Wheels

THE WHEEL WITH THE METAL HUB.

They do not heat or discolor the tooth, and the patient suffers very little pain and less discomfort.

The HEATLESS WHEEL runs absolutely true, does its work with exactness and fidelity until worn to the edge of its metal hub

HEATLESS WHEELS enable you to EXPEDITE YOUR WORK every time you prepare a tooth. They are the most rapid working and most satisfactory wheels on the market.

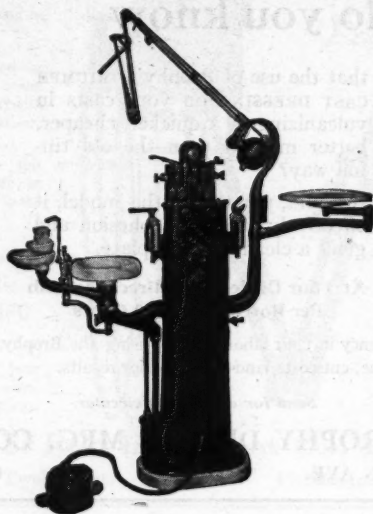
Our HEATLESS LATHE WHEELS (made in two grits, fine and course) will save your mechanic many valuable minutes in his laboratory work.

OUR GUARANTEE, a new wheel free for any Heatless Wheel that does not prove perfect, and our reputation for years is behind it

If your dealer cannot supply you, write us direct.

HEATLESS DENTAL WHEEL COMPANY, Inc.

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Ritter Unit Equipment

Complete operating equipment, an engine, fountain, cuspidor, bracket table, spray bottle warmers, compressed air appliances and electrical instruments, all within your immediate reach. Equally practical whether operating with an assistant or not.

Will save more of your time than any single piece of equipment you can place in your office.



Ritter Dental Mfg. Co., Inc.
Rochester, N. Y.

Is Your Daytime Home Attractive?

The home where you spend the time when not engaged in the office is made as attractive and as beautiful as your circumstances permit.

How about the office? That is *your* home the greater part of every day.

Make it a pleasant place in which to work, with surroundings inviting to your patients. You will notice the effect on your practice quickly, you will have a new attitude toward your work.

Equipment and the harmonizing back-ground that should go with it, is the most important part of the appearance of your office. We have been assisting Dentists with their office problems for twenty-five years. Literature upon request.

The Ritter Way Is the Better Way

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Brewster Alloy

has been under close observation in the mouth for some years and has proved itself a wonderful tooth preservative.

It is a 67% Silver Alloy (Guaranteed)

It has no Shrinkage.

It has no Expansion.

It retains its bright appearance in the mouth to a remarkable degree.

This is one of the Highest Grade Alloys produced and is consequently high priced.



To give every Dentist an opportunity, at our expense, to prove for himself the claims made for this product we will for a limited time only send him by Prepaid Mail

1 Original One-ounce bottle
Brewster Alloy for \$1.80

or

1 Original 5-oz. bottle
Brewster Alloy for \$8.75

*Cash must accompany order, or you can
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Manufactured by

E. R. S. BREWSTER

Refiners, Assayers, Sweep Smelters

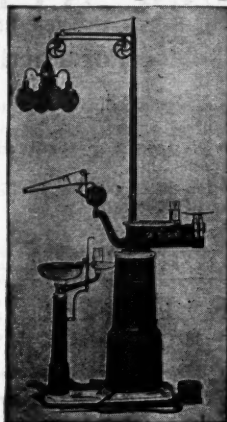
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CHICAGO, U. S. A.

ELECTRO DENTAL UNIT

A Complete Dental Office Operating Equipment—including:

Engine
Electro Dental Light
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Automatic Switchboard
Bracket Table
Fountain Cuspidor
Air Compressor
Set of Instruments
Hot Air Syringe
Cutoff
Water Heater
Atomizer Heater and
Atomizers
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Pedestals and Base



ELECTRO DENTAL UNIT—Junior

A Dental Office Operating Equipment including:

Engine, Fountain Cuspidor, Bracket and Table, Gas and Air Outlets, Bunsen Burner, Pedestals and Base.

At any time the following parts of the Senior Unit can be added to the Junior Unit:

Automatic Switchboard Bracket Table
(with Accessories)

Air Compressor

Electro Dental Light (Rhein)

Furnished regularly in MAHOGANY finish.

In white, gray or black enamel finish on special orders only.

For further details, consult your dealer.



ELECTRO DENTAL MANUFACTURING CO.
New York Philadelphia Chicago

The New Standard
**READY-MADE
 CLASP ATTACHMENT**
 (PATENTED)

For Partial Plates

Don't waste your valuable time making clasps.

The Ready-Made Clasp is easily adjusted to perfect fit.

Its concave shape conforms to the contour of the tooth.

Made in six sizes.



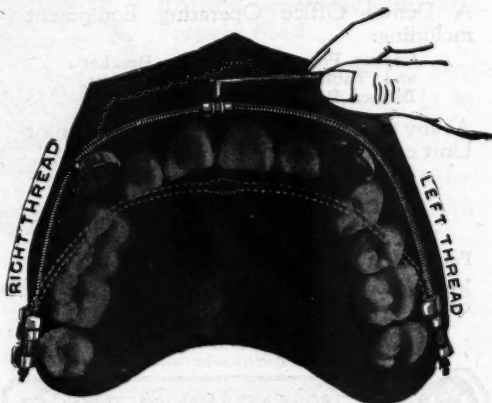
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*Write for Complete Catalogue of This and Other
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CANNING'S CABLE-SPRING ARCH A



Two other arches and a complete system with book of instructions.

Send Your Models for Appliances

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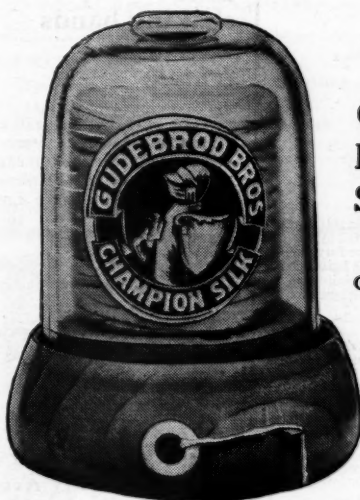
Champion Ribbon Floss

Waxed and coated with fine Abrasive Powder.

Undoubtedly the best for Prophylactic Work.

Champion Ribbon Floss (3 widths) will not injure the enamel—being silk it will not lacerate the gums.

Use this scientific and efficient Ribbon Floss.



**GUDEBROD
BROS.
SILK CO.**

Successor to
Cutter Silk Mfg. Co.

603 Chestnut St.
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Professional Dental Coat
This is No. 19. It is made with a
pinch back.

Designed BY Dentists FOR Dentists

We have endeavored to incorporate in this coat the many ideas and suggestions offered by various dentists. The result is a standard style of coat *for* dentists. This is something for which they have long felt the need, as the profession has been obliged to wear coats designed for *other* professions.

This coat has *tailored* style.

It is made to button down the right shoulder—thus avoiding any chance of buttons catching in the patient's hair. It is made with a pinch back. Made of genuine Irish silk poplin. Colors—Grey, Tan and White.

Price, \$7.90 each or \$88.80 a dozen.

Manufactured by
**Connecticut Coat and
Cover Co.**
Shelton, Conn.



Like shaking hands with a friend

When you reach for the lever on the Castle Sterilizer, to lift the instrument tray out of the boiling water, you can grasp the lever as you would the hand of a friend.

You cannot burn your hand because the Castle lever *does not* get hot.

You need not arm yourself with a towel to wrap about the lever because, of course you will not burn yourself on the "famous always-cool Castle lever."

WILMOT CASTLE CO.
1158 University Ave.
Rochester, N. Y.



What Metsan Stands For—

IN SYRINGES:

The only **NON-LEAKABLE** and **BOILABLE** syringe. It is also adaptable for local and conductive anaesthesia.

THE **METSAN-B** has an **ADAPTER** which gives an absolute method of sterilization and cleansing of the barrel, which enables the use of a **Slip-on-Chuck** (which is furnished with the outfit) for the use of the **Slip-on-Needle**, and which eliminates the trouble caused by broken needle-hubs.

METSAN-A OUTFIT \$3.75 METSAN-B OUTFIT \$4.75

IN NEEDLES:

The **METSAN ASEPTIC INTER-CHANGEABLE STEEL NEEDLE** has the **soft metal washer** placed **slightly above** the lower end of the needle, allowing the protruding part of the needle to enter the hub of the syringe. The **soft metal washer** is absolutely **spherical**—not flat, **preventing** the washer from clogging either the hub or the lower end of the needle, and **PREVENTING** any possibility of leakage as the spherical washer and the protruding needle-end are held rigid in the center of the hub.

Price 75c per tube of One-Half Dozen. Standard Sizes.

THE **METSAN HEXAGON NEEDLES** are made of the finest seamless highly tempered steel tubing, have razor-edge points, which are **NOT SOLDERED** but forced into the hub. The points are particularly **WELL REINFORCED**, to prevent breaking while injecting.

Price \$1.50 per dozen, Standard sizes and gauges.



..... For More Details.....

THE **METSAN DENTAL MFG. COMPANY**

211 E. 62nd St., New York City

Send me samples of your **METSAN WASHERS** and literature as checked below—

Metsan Syringes

A B

Metsan Root Canal Gauges

Metsan Interchangeable Steel Needles

Metsan Hexagon Needles

Dr.....

Address.....

Please give:

Dealer's Name..... 0.12



The CAMPHO-PHENIQUE Products

Campho-Phenique (liquid) is to be found at the hand of skilled surgeons in all delicate or important operations, as its powerful antiseptic and germicidal properties help greatly to insure success. It exerts a healing influence that imparts a stimulus to the tissues calculated to induce more rapid granulation. In the minor surgical operations and as an external application for wounds, burns, scalds, sores, ulcers, boils, felons, chancres, it is universally used by both surgeons and physicians. It is constantly needed in the office of every practitioner. If not obtainable at the Drug Stores, order direct. We will send to any Physician, Surgeon or Dentist, anywhere in the United States, postpaid, on receipt of price.

CAMPHO-PHENIQUE LIQUID, 4-ounce size \$1.20

CAMPHO-PHENIQUE LIQUID, small size30

CAMPHO-PHENIQUE POWDER, in sifter top cans75

CAMPHO-PHENIQUE OINTMENT, 4-ounce cans 1.20

Samples mailed on request.

Address: **CAMPHO-PHENIQUE CO.,**

St. Louis, Mo.

**Polishing Removes Gold from the Surface
SAVE IT!**

**Polishing Creates Dust
CONTROL IT!**

The dust does not go through the fan — the weak point of all dust collectors not covered by our patents.

No Dust
No Odors
Real Health Insurance



Electric lights in the hoods — putting the light where you want it

**A Powerful Air Suction Saves the Gold
Controls the Dust in Dry Form
*Leiman Bros. Patented Polishing
Dust Collecting Outfit***

makes a dustless laboratory possible—price is no consideration when you get your money back in the dust saved—anyway the price is not great. The spindle holds Ritter attachment. The hoods have removable water pans for wet pumice work.

This outfit is the result of 30 years experimenting and building dust collecting systems.

A VERY COMPACT OUTFIT

LEIMAN BROS.

81 Walker Street

NEW YORK

Over 30 Years in Business

Facing For Artificial Dentures

The ambition of every dentist is to get a facing for artificial dentures that will look as near as possible like natural gum. . . .

Something permanent, that is easily applied and will stand the acids of the mouth.

Thompson
FLESH COLOR
Compound

is applied after the plate is finished, requiring no vulcanizing nor polishing, is stronger than rubber, and has the appearance of continuous gum.

Get a box from your nearest dental supply dealer, and be convinced.

**Thompson
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Manufacturing Chemists

Rochester
N. Y., U. S. A.

Each \$5.00 package contains sufficient Compound for several cases and full directions for use.



A Strong Pull

The Little Giant Post Puller has a mighty strong "pull" with the Dentists—not for any preaching or promises made for it, but for its actual **SERVICE** to the operator.

35,000 Dentists throughout America have found the Little Giant a remarkable instrument which extracts broken-off crown pins or posts in about 3 minutes and prevents pain to the patient. Don't be without a Little Giant another day.

Price \$4.00—You can get it from your supply dealer, or from us if he hasn't it. We also manufacture the Little Gem, a lighter device. Price \$2.00, In Canada, prices \$4.50 and \$2.50 respectively.

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25 E. Washington St.

Chicago

You wouldn't have to stretch your imagination any more to think that

This is a
Picture
of the
Woolworth
Building



than you would to think a hand-piece was **RE-BUILT** when it was only "fixed." But why stretch your imagination—the above is only a blot of ink and if you send your hand-piece to the Terry Folks you'll **KNOW** it is rebuilt.

Geo. A. Terry Mfg. Co., Inc.

350-6 South Elmwood Ave.
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They also make Tru Cut dental Burs

Dr. Card's Improved Brush

The qualities that commend this brush to the Profession are:-

Easily and Thoroughly cleaned, Flexing Space, Permanent bristles, Sanitary Qualities.

In a word, adaptability. Designed by an experienced practitioner and recommended wherever examined and tried.

Two brushes sent to Dentists for the price of one. Enclose 75c and your card.

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SIX MINUTES**Clark Unit Pedestal**

"It required just exactly six minutes to set my new Clark Unit over the outlets in my office, connect all of the unions and place it in operation throughout."

So wrote one Dentist who had set aside a complete afternoon for his Unit installation.

The open panel system of the Clark Unit as it is built today, makes such ease possible and makes unobstructedly accessible, the entire roomy interior with its new system of automatic pulleys and other pronounced modifications.

A. C. CLARK & CO.

Manufacturers

1035 E. 76th St., Grand Crossing

Chicago, Ill., U. S. A.

A Born Leader

Brown's C. F.
(Cleaning Fluid)

For 28 years, the only reliable cleaning fluid on the market.

Quickly removes green stains, Black Tartar, etc., from natural teeth without harm.

Remember

BROWN'S C. F. is sold on a money back guarantee, at your dealer's or direct.

Wheeler-Brown Co.

Dept. "A" Spencer, Mass.

A Success Since 1896 (Try Them)

Velpeau Devitalizing Fibre, \$1.50
(Positive—Painless—24 hours)

Chlore-Mentholine, \$2.00
(Paramount)

A powerful Local Anesthetic to be applied locally to the Gums before using Hypodermic Needle.

Iodoform Paste, \$1.50
(Odorless)

A permanent Root Canal Filling Very efficient in Tortuous Molars Root Canals. Shows in X-Ray Pictures.

We manufacture a full line of Dental Medicines and Essential Oils.

For Sale at All Dental Depots

DENTAL CHEMICAL CO.
ROSLYN, MONTGOMERY CO., PA.



You will SOMETIME WHY NOT NOW?

Use the best Germicidal Anodyne
For Mouth Lesions, Cuts and
Burns, Abscesses or Pus any
place.

Send this ad and 25 cents and get a full 6 oz.
Bottle. At your dealers for 50 cents.

Sodium Phenique Co. Kansas City, Mo.

CELLULOID PLATES

You are possibly unduly prejudiced against "Celluloid." It may be on account of not having the right kind of a press. Celluloid plates will retain their natural pink color for years if properly made by our method (not by steam).

We can furnish you blanks at 20% off list price.

A full stock, all sizes.

Our Dry Heat Celluloid Press, Complete \$25.00. (Nearly every Laboratory in Chicago uses it.) **A Full Upper Sample Celluloid Plate, \$3.00.**

We Guarantee You Success in Making Celluloid Plates With Our Press

We also manufacture Gas Regulators, Gasoline Blow Pipe Outfits, Vulcanite Flasks, Large and Small Articulators, Cement in 1-lb. packages, Die Plates, Lathe Head (Six in One) Machine for Making Backings for Steel Facings. **Dis. to Dealers.**

THE WIGHTMAN DENTAL MFG. CO.

110 So. State St., Chicago



Linking Up With Lincrowns *Is a Sensible Procedure*

EVERY day, these ready-made, guaranteed 22 kt. Gold Crowns are proving that they are literally *"worth more than their weight in Gold."*

The LINCROWN takes the place of the Laboratory-made crown in a way that delights the busy dentist.



This is a slightly enlarged illustration of a Lincrown

It saves the time of impression taking, of model making, of sending the model to the laboratory. Usually, you wait until the next day for the crown, having the patient come for another sitting. Then there is the final fitting and cementing of the crown.

The LINCROWN way is simpler. Just take wire measure of the prepared tooth, slip wire over small end of LINCROMETER (Lincrown gauge) and the graduation at which it stops is the proper LINCROWN. Select proper type of LINCROWN from your stock, kept in the LINCABINET. Then just a little contouring and trimming, the cementing, and send your patient home the same day, with the work completed. Saves their time and your time.

LINCROWN BOOKLET is a complete chart of LINCROWN moulds. Select them just as you would a porcelain tooth.

LINCROWNS are guaranteed. If you are not absolutely satisfied, we prefer to return your money.

With your first order for LINCROWNS, ask for a LINCROMETER. Free to all LINCROWN users.

If your dealer hasn't LINCROWNS in stock, won't you kindly send us his name?

LINCOLN DENTAL MFG. CO.
1600 Chestnut St. Philadelphia, Pa.

You Want Vital Teeth If It Is At All Possible

You can have them in the greater number of cases if you use

Pulpcap
Gilbert

It has for years been saving thousands of teeth that would otherwise have been devitalized, abscessed and lost.

Price per package, \$1.00

May be had from your dealer or mailed on receipt of price.

Neglected Teeth Eventually Abscess

And you want the best and shortest route to put them in a useful condition.

Alvesol
Gilbert

will help you out with one treatment in the greater number of cases.

Price per package, \$1.00

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Procaine Alvatunder!

Are you interested in Local Anesthetics and the new Process of Nerve Blocking?

Write today for our new booklet on this subject with many valuable hints by a renowned authority.

Something NEW about something OLD and GOOD.

**The Hisey
Dental Mfg. Co.**

St. Louis, U. S. A.

Healey's Price List



5 lb. tins Artificial Stone	\$ 1.50
100 lb. kegs White or Gray Artificial Stone	\$20.00
4 1/2 lb. tins Healey Self-Separating Impression Plaster	\$ 1.25
80 lb. kegs Healey Self-Separating Impression Plaster	\$18.00
6 lb. tins Inlay and Casting Investment	\$ 1.50
100 lb. kegs Inlay and Casting Investment	\$10.00
7 lb. tins Crown and Bridge Investment	\$ 1.50
100 lb. kegs Crown and Bridge Investment	\$ 8.00

For sale by your Dental Depot or direct on receipt of check

Jay E. Healey

44 West 44th Street

New York City

EXPERIMENTS



OF COURSE you have experimented with a lot of different kinds of abscess cures.

All dentists do.

And it is right that such investigation should be made, because it adds to the sum of your knowledge.

But eventually you will have to pin your faith to some one preparation which you **KNOW** will do what is expected of it every time.

Some preparation which will stand head and shoulders over all others and prove by its performances that for you, experiments are over.

That's PUSCURE

At your Dental Dealers for \$1.50 the box

Buffalo Dental Manufacturing Co.

Buffalo, N. Y., U. S. A.

Makers of the Lewis Cross Bar Vulcanizer

**DON'T GUESS—
BUY THE BEST**



**NOWESCO
ASSISTANT DRESS
Style 35**

*One of Our Most Popular Model
Made from Indian Head
(Our Fabric No. 72)*

\$5.00 each or 3 for \$13.50
Order by size (34 to 46)

Nowesco Garments are the recognized standard for high class professional apparel—cost no more than the ordinary and are **Ever-Satisfying.**

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CHICAGO

Nowesco Dental Office Apparel
Extraction Aprons—Chair Covers



Learn the Truth

**Open X-Ray Tubes
and Wires
are Dangerous**

**No Other Equipment Can
Have Them Enclosed**

Write for our Bulletin

Patented Jan. 7, '19; Apr. 13, '20; July 26, '20

Thwaites
X-RAY CO.

GRAND RAPIDS
MICHIGAN
U S A

"Rinse With This"

and the wise dentist supplied the ideal agent, viz.,

ALKALOL

a properly balanced solution of physiologically needed salts of proper salinity, correct alkalinity, hypotonic, non-relaxing, restorative of tissue tone, soothing and healing. After extraction, during prosthetic work, as a comfortable and protective mouth wash, to restore normal oral tone and maintain oral hygiene, ALKALOL succeeds and satisfies *because* it helps the cells to help themselves, to re-establish [and maintain normal secretion—the best of all antiseptic agents.

Most dentists not only use Alkalol in the office, but in their homes.

Sample and Literature on request

The Alkalol Co.

Taunton, Mass.

—Which Do You Buy?—

WHEN you ask your dealer for a roll of rubber dam, which thought is uppermost in your mind — quality and durability — or cheapness.

The longer you continue to buy cheap rubber dam, the more it will cost you in the long run.

Highest quality and continuous durability are represented **only** by

Doherty's "Vapor Cured"

RUBBER DAM

which has been recognized by the profession as the best for over half a century. Costs more because it's worth it.

PRICES:

Medium, per 6-inch by 18 foot roll	.	.	.	.	\$1.75
Medium, per 6-inch by 9 foot roll	.	.	.	.	.90
Thin, per 6-inch by 18 foot roll	.	.	.	.	1.35
Thin, per 6-inch by 9 foot roll70

EUGENE DOHERTY RUBBER WORKS
INC.

110-112 Kent Avenue

Brooklyn, N. Y.

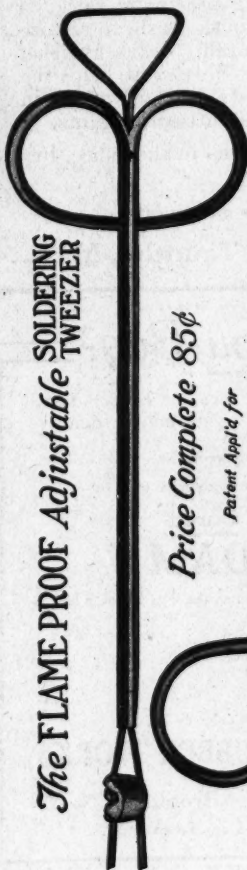
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At Last
A Real Scientific

TUBE-TWEEZER

With Removable
Self Retaining Blades

*The FLAME PROOF Adjustable SOLDERING
TWEezer*



Price Complete 85¢

Patent Appl'd for

Permanent Blade Conveyor

Absorb no heat—
and the solder flows
as if by magic.

Especially designed
for Orthodontia and
Jewelry soldering.

Order a Tube-
Tweezer from your
dealer or direct.

Special - FLAME PROOF - Refill Blade 25¢



Variable tension—Delicate touch for safe and accurate soldering. Simply slide the double blade within the tube for regulating and releasing. This cut shows how the protruding ends may be shaped to suit your individual need. The blades should last at least one year when they may be replaced.

Flossy Dental Mfg. Co.
Evanston, Ill.

Surgically Clean Floss

New Era is the name

TOP OF
CAP

AND
CUTTING
DEVICE



Johnson & Johnson's
Floss Silk in Glass

With air-tight rubber eyelet

Handled by aseptic methods and guaranteed surgically clean. This is demanded as an essential quality for floss used as dental ligatures and other purposes within the mouth.

Manufactured within our factories from the best grade of stock, for dental and surgical uses only, and waxed with pure beeswax, it is the best floss to be found for operator or patient, and it costs no more to have the best.

12 Yds. waxed, each in glass container, per doz.	\$1.75
24 " " " " " " " " " "	3.00
50 " " " " " " " " " "	each 1.25

NOTE—Johnson & Johnson are the originators of dental floss silk in glass containers. The container has been imitated which must be construed as open praise and an admission of superiority, but the methods of preparation are not imitated nor the quality equalled.

Sold by leading Dealers in Dental Supplies in every country in the world.

Specify Johnson & Johnson's

JOHNSON & JOHNSON
New Brunswick, N. J., U. S. A.

Pilgrim Brand Dental Plasters

Rate 100% Pure

By that, we mean that while science in the future may make possible a purer dental plaster, up to the present time there has been no purer plaster produced than "Pilgrim Brand"

Manufactured from selected Canadian Gypsum



Always ask for
Pilgrim Brand Plasters

If you are one of the careful type of dentists, one who must be absolutely sure that you are using the Best, it will delight us to send you substantial samples of Impression and Model Dental Plasters.

5-lb. Sealed Cartons, 15-lb., 30-lb. and 40-lb. friction top pails.

Newark Plaster Company

Newark, N. J.

A Good Thing

Too much cannot be said about a good thing. And, as CARBOL EUGENOL is one of the very best of good things, we naturally like to talk about it.

CARBOL EUGENOL will normalize an inflamed pulp more quickly and completely than any other remedy known to dental science. Combined with SILVER NITRATE it is the most positive and potent remedy known for the treatment of children's teeth. CARBOL EUGENOL reduces the dentist's repertory of medicines to a minimum because of its many sterling purposes.

Buy a package and see how promptly and cheerfully you'll buy another when it's gone.

Formula of "King" J. A. Williams, D.D.S.

Carbol Eugenol \$1.50 Williams Powdered Silver Nitrate 50c

Manufactured and Guaranteed by

King's Specialty Company

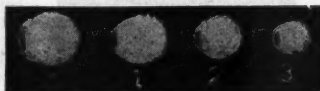
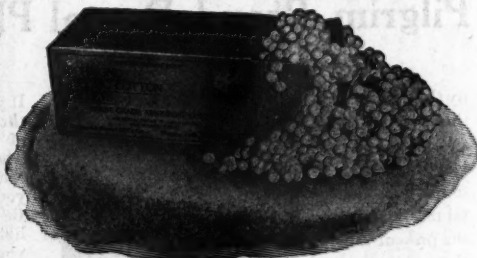
Fort Wayne, Indiana, U. S. A.

"THE SNOW DROP KIND"

The
Richmond
ASEPTIC
COTTON
PELLETS

30c

A PACKET

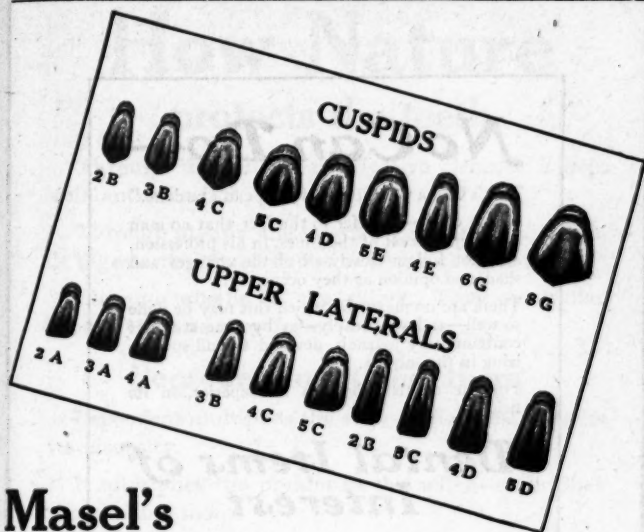


NOT
PACKED
ASSORTED

Richmond Pellet Holder, Glass Cover, \$2.00

All Dealers or Postpaid

Richmond Dental Mfg. Co. NIAGARA FALLS,
NEW YORK



Masel's Vulcanite Facings—22 K



PRICES

- A \$1.10
- B 1.15
- C 1.25
- D 1.35
- E 1.40
- G 1.70

Upon orders for 50
Facings we allow a
discount of \$2.50

Upon orders of 100
\$10.00

These facings are made of extra thick gold to compensate for digs or scratches consequent upon removing case from flask and finishing the plate. You need not, therefore, hesitate to thoroughly polish them as, after the scratches are removed, the facing will still remain thick and strong enough to stand wear and tear. These facings are by a special device so constructed as to hold fast to the rubber, they can not pull out. After once trying these facings you will use no others.

OUR GUARANTEE:

*Money Refunded if Facings are not
Satisfactory*

Masel Dental Laboratory, 214 S. 12th St., Phila.

No Can Do—

That's China Coast pidgin for "it can't be done."

And it can't—we refer to the fact that no man can keep abreast of the times, in his profession, and not follow closely all of the changes and shades of opinion as they occur.

There are no means by which this may be done so well—and so cheaply—as by close study of contemporary journals, devoted to and specializing in the subject.

For the dentist, there is no superior, in its field, to

Dental Items of Interest

Published continuously, since 1878, this journal has always been in the forefront of dental progress and its survival, over such a period of time, is evidence enough of its intrinsic value.

Dental Items of Interest carries, upon its lists, the names of dentists which have been there for more than a quarter of a century. Need we comment?

A strictly ethical publication, whose contributors represent the best thought in a profession, which abounds in men of high mental attainments.

Let us number you as one of the forward-looking company. Join us.

1 year \$1.50—3 years \$3.75

Consolidated  Dental Mfg. Co.

45 West 34th St., NEW YORK CITY
29 E. Madison St., CHICAGO, ILL.

120 Boylston St., BOSTON, MASS.
495 Colonial Arcade, CLEVELAND, O.

How Nature protects the teeth

Through the saliva—an effective cleanser if kept thin and plentiful.

Through ptyalin, the starch digestant in the saliva. It digests the starch deposits which cling to teeth.

Through alkalis in the saliva. They neutralize mouth acids as they form.

Pepsodent multiplies them

Pepsodent multiplies the salivary flow and reduces its viscosity.

It multiplies the ptyalin in the saliva—multiplies the alkaline index.

It repeats these effects with every application, through its acid reaction. Experiments show that a permanent excess is soon established in this way.

The best modern dental opinion, as you know, approves the acid theory on which Pepsodent is based.

If you have not tried it, send the coupon for a tube.

Pepsodent PAT. OFF.
REG. U.S.

The Modern Dentifrice

An efficient plaque combatant which complies in all ways with the best dental opinion.

THE PEPSODENT COMPANY, 6302 Ludington Bldg., Chicago, Ill. 535

Please send me, free of charge, one regular 50c size tube of Pepsodent, also literature and formula.

Name

Address

Enclose card or letterhead

GOLD TEETH for ARTIFICIAL PLATES

Send for circular showing sizes and quoting prices. They make plate work look like crown and bridge work on natural teeth. Used also for dummies on bridge work. Cost less to buy than to make.

NELSON GOLD TOOTH CO.

No. 280 Henry Street, Brooklyn, N. Y.

90 PER CENT OF ADULTS HAVE PYORRHEA

Keep out of this class and have good, sound teeth and firm, healthy gums by the regular daily use of

Dr. B. Waiter's ANTI-PY-O
DENTAL CREAM

It Cleans the teeth and protects the entire mouth cavity from germ infection.

Wholesale \$2.50 per doz.
AT YOUR DENTAL DEPOT

THE ANTIDOLOR MFG. CO.
80 Main St., Springville, N. Y.

SEND SAMPLE TUBE FREE

Name.....

Address.....

KERR PULP CANAL INSTRUMENTS

MADE
IN
VARIOUS
STYLES
AND
SIZES

Send
for
Catalog

KERR BROACH REAMER

KERR TAPERED CANAL REAMER

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KERR PULP CANAL PROBE

Essential Instruments in Root
Canal Preparation

At all Dental Depots

DETROIT DENTAL MFG. CO.

DETROIT, MICH., U. S. A.

LEARN MECHANICAL DENTISTRY in Chicago

THIS is the best opportunity ever offered to men and women of all ages to rise from positions having no future, to a profession of unlimited possibilities. Taught in 3 to 12 months according to attendance. We are constantly called upon to fill good salaried positions. No book study. Evening sessions. Individual instruction. You can earn before completion of the course. Tuition payable in installments. *Send for catalogue No. 52*

SCHOOL OF MECHANICAL DENTISTRY,

506 S. Wabash, in Chicago

THE McCARRIE SCHOOL OF MECHANICAL DENTISTRY

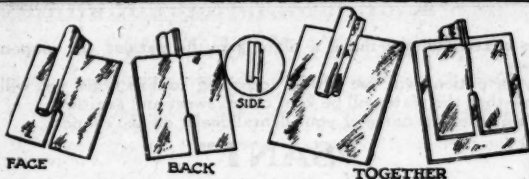
offers to men and women complete training in 3 to 12 months in a well-paying, uncrowded field: the art of making every kind of artificial denture. Our equipment is up-to-date, our course modern, and our methods practical. Instruction is entirely individual; no classes or book-study. School is open all year, day and evening. McCARRIE trained men operate successful laboratories in all parts of the United States. Complete information in catalogue No. 14 sent upon request.

34 and 36 W. Lake St., Chicago, Ill.

AIR

The Vernon Rotary Compressor provides all the pressure or vacuum required for laboratory needs.

Lee S. Smith & Son Mfg. Co.
Pittsburgh, U. S. A.



THE Reynolds Rib-Anchor Attachment is a combination pin and anchor plate for use with removable porcelain facings. This makes it unnecessary to carry a stock of various sizes of backings.

To prepare a backing you simply cut a slot in a piece of 30 gauge sheet metal, large enough to receive the rib of the attachment. This is easily done with a rubber carborundum separating disc. The sheet is then trimmed to any size or shape that occasion demands.

The great strength of the Rib-Anchor is due to its one-piece construction, which eliminates all chance of imperfect pins, and to the width of rib, which extends through the backing and anchors the pin firmly in place. This rib is more than three times the size of the rivet used in ordinary backings.

The flanges, by displacing a like amount of solder, effect a saving of gold practically equal to the cost of the Rib-Anchor attachment.

Rib-Anchor attachments are being used successfully by hundreds of dentists throughout the country. You will eventually come to it, why not immediately?

Rib-Anchor attachments are made in gold and in two sizes only (Regular and Large).

Regular Size, per dozen, \$3.00

Large Size, per dozen, \$3.50

Order through your dealer or direct

Mishawaka Dental Specialty Company

Mishawaka, Ind.

FOLKS like Lee Smith Aseptic Glassware because—

- A. It adds to the appearance of the office.
- B. Each piece is designed to save you time and trouble.

The war is over and we are now able to fill Glassware orders promptly with goods we are proud to furnish.

Ask your dealer or

LEE S. SMITH & SON MFG. CO.

PITTSBURGH, U. S. A.



My work of machine sharpening burs is satisfactory.

Price 25c the dozen—dealers or direct.

CHARLIE SHERMAN

40th St. at Ludlow

Philadelphia

S The next time you make a plate, give the patient the coupon below.

A If your patient will use **SANT** according to directions, you will know that the plate will be kept clean, sweet and sanitary.

Please write the name of your dental dealer on the coupon.

N **"SANT"**

T easily, efficiently, but harmlessly, takes away ALL the stain. ALL the odor and ALL the deposit from plates, bridges and all other removable appliances.

THE SANT CHEMICAL COMPANY, Dept. O-12
Westover Bldg., Kansas City, Missouri

I am enclosing one dollar. Please send me a full sized can of SANT, the Perfected Plate Cleanser. I understand that if I am not perfectly satisfied, I may return what I have not used, and my dollar will be refunded without question.

Name _____ Address _____

My Dentist is Dr. _____ At _____

Dealer's Name _____



Dr. R.B. Waite's
TRADE MARK (REGISTERED)

Antiseptic Local Anaesthetic

WITH COCAINE OR
WITH NOVOCAIN

THE BEST IN
THE WORLD

Is a Sterile Isotonic Solution

Bacteria cannot live in it, consequently needs no boiling, although Waite's can be boiled with impunity. It has been used in over a billion cases of Surgery. Major, Minor, by Infiltration and Nerve Blocking.

Order from Your Dental Depot

80 Main St.

SPRINGVILLE, N. Y.



Pustolene —



do you
know How
good it is?

Just use it in abscess-treatment or root canal filling and you will know!

Your dealer can supply you with the original package at \$1.00, or you can write us for a liberal sample.

J. A. SPRAGUE & CO.
Columbus Ohio



*—if the root-canal were glass you could see the JIFFY TUBE build the filling from the apex—no air cushions! Ask your dealer or

Lee S. Smith & Son
Mfg. Co.

Pittsburgh, U. S. A.

IT'S WHAT IT DOES!

A low voltage instrument switchboard, free from complications. It regulates electric current to operate low voltage instruments like:

The Mouth Lamp—Wax Spatula—Antrum Lamp—Cautery Bleacher—Root Canal Drier—Hot Air Syringe—Columbia Dentalyte

The equipment you need, formerly at a restrictive price, is now at a price within your reach.

Columbia Electric Instrument Switchboard



One of the



At Dental Supply Houses Everywhere

Catalog 108A for A. C. \$35.00

Catalog 109D for D. C. \$80.00

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SPECIAL OFFER SEND NO MONEY



Guaranteed to give satisfaction or money refunded

Right Angle, for Dorlot or No. 7 \$5.00
Contra Angle for Dorlot or No. 7 \$6.50
No. 7 Handpiece 8.00
Right Angle Slip Joint 7.00
Contra Angle Slip Joint 9.00
Dorlot Handpiece 15.00

Sent C. O. D., Parcel Post Charges Prepaid Upon Receipt of Order

YOUR DEALER OR DIRECT

THE LEONA HANDPIECE COMPANY

HUDSON CITY STATION
JERSEY CITY, NEW JERSEY

Just One Moment, Doctor!

What are you paying for your retainers? Your 1920 dollar is just as big as your dollar of 1905 was if spent for the "EUREKA." Universally used—easily attached—your patients renew their own cups. Nothing to give you trouble in after years.

"The fact that it remains speaks for its efficiency"

Upper or Lower,
\$2.00 per box—HALF DOZ.

At best dealers everywhere



1905-1920

EUREKA SUCTION CO.
Loudonville, O.

Chart of the Forms comprised in the
TRUBYTE SYSTEM OF ARTIFICIAL TEETH
 and their relationship to
 FORMS OF THE HUMAN FACE



The Dentist Supply Company of New York

Size of Chart 22 x 32 inches

Tooth Form Selection Simplified

by

Trubyte Wall Chart

THE illustration on the opposite page shows the plan of the Trubyte Mould and Form Chart now ready for distribution.

Presenting photographic reproductions of the typical face forms in the Square, Tapering and Ovoid classes superimposed on enlarged reproductions of the Trubyte Tooth Form suitable for that particular face form, this Chart shows in a graphic manner the different proportions of Trubyte Forms and takes much of the speculative element out of Tooth Selection.

With these fifteen typical face forms before him the dentist need only compare the patient's face with those on the chart to determine the Class and Form of Trubyte Tooth required for the restoration. The chart will be found invaluable in checking and confirming selections obtained with the Wavrin Trutype Face Guide.

The Trubyte Mould and Form Chart is lithographed in six colors and is suitable for use in laboratory or operating room. Under each face form are shown in "life size" the upper and lower centrals, laterals and cuspids in that Class and Form. Below, in tabular form, are listed the sizes in that Class and Form with the following dimensions:

Length of Central without Collar; Width six Anteriors set up; Width full 14 set up; Combined Bite and Shut of Central; Width of Central.

The Trubyte Mould and Form Chart will be found of great value in educating patients in the aesthetics of denture construction and in gaining their co-operation in the selection of the proper tooth form.

A chart will be sent free of charge on application. A card will bring it.

The Dentists' Supply Company
220 West 42nd St. New York City

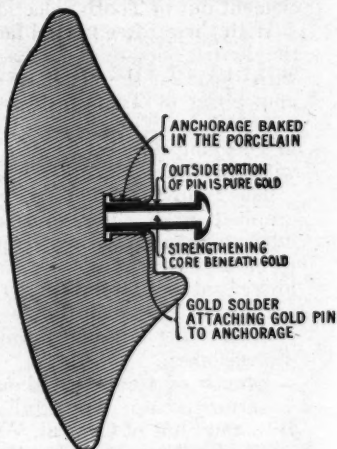
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SOLILA TEETH

mark another forward step in the production of dependable teeth for vulcanite plates.

For twenty years Twentieth Century teeth with soldered-in pins proved their high quality under all conditions of practice in every country in the world.

Now we are making them better by the addition of Solila Gold Clad Pins—the same as in Trubyte Teeth—which is in line with our policy of continual improvement of our products wherever improvement is possible.



The slight increase in cost, amounting to a few cents per set, is more than balanced by the advantages of the 24K Gold Clad Pins, which are soldered-in on the Twentieth Century principle with gold solder, making an even stronger attachment than the famous Twentieth Century pins, and the solid gold covering makes them impervious to all corrosive action of the oral fluids.

This increased service to your patients will easily justify a proper fee.

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SOLILA TEETH

The Dentists' Supply Company

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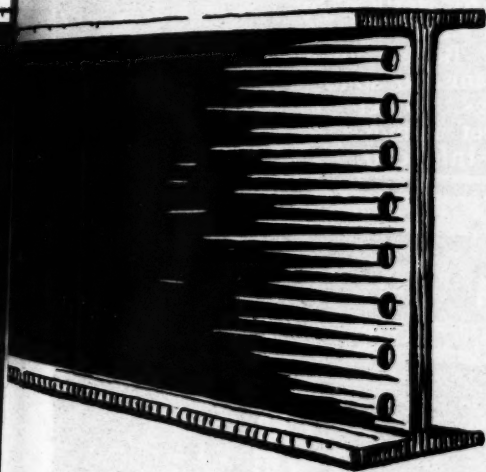
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In Flat Pins, as in steel beams, the weight of metal is distributed along the line of stress. The result is obvious. Dentsply Flat Pin Facing pins **CAN'T BEND EDGEWISE.**

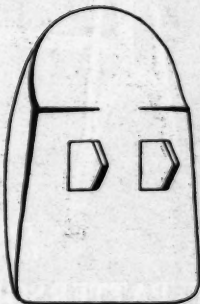
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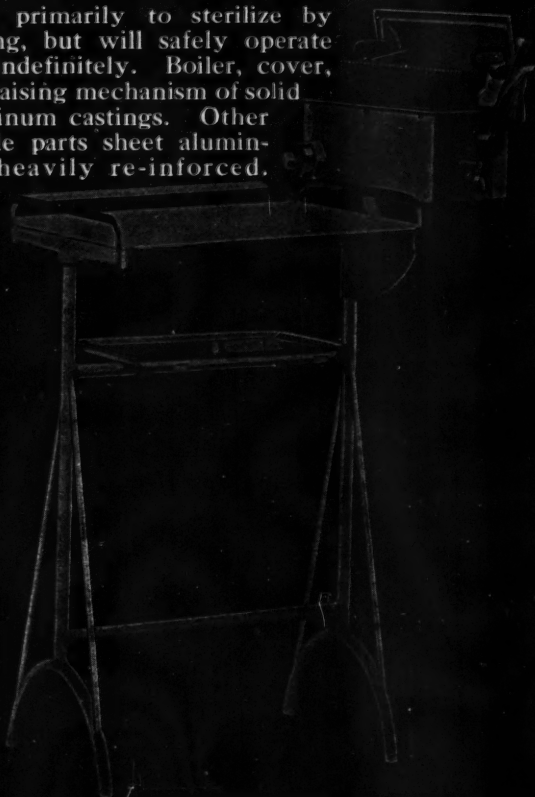


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A Marvel of Simplicity

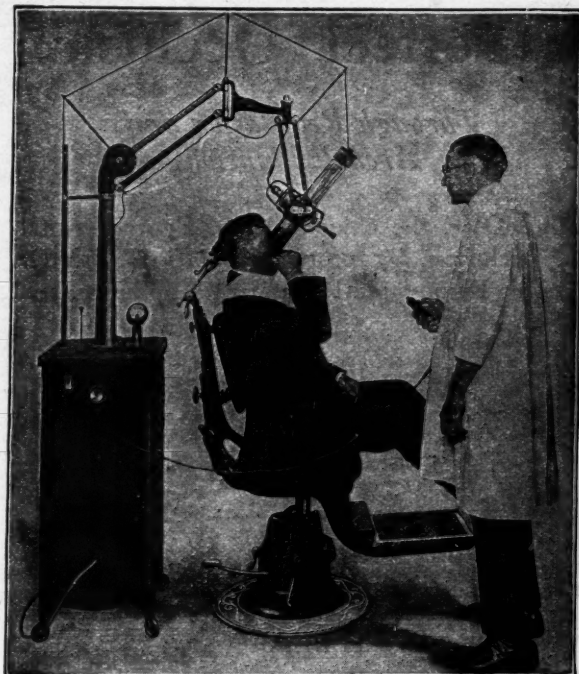
Calm dignity, and that supreme elegance which is found only in solid, well constructed articles of worth—simplicity, and practicability—those are the outstanding features of the Holmes Sterilizers.

Built primarily to sterilize by boiling, but will safely operate dry indefinitely. Boiler, cover, and raising mechanism of solid aluminum castings. Other visible parts sheet aluminum heavily re-inforced.



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Because this appliance is removable—because the patient can take off and replace the appliance at his convenience, the teeth may be kept clean during the process of regulation and the danger of etchings is avoided.

Because of the specially designed cant-hook grip the teeth are held in a perpendicular position—can't tip or twist—must remain straight up and down while they're moving into place.

Because the strong elastic metal appliance exerts a strong steady pressure on every posterior tooth the suture between the superior maxilla is opened, enlarging the nasal passages, releasing the sphenoid bone and encouraging development at the base of the brain.

This appliance is thoroughly practical. Dr. Bacon has been using this appliance successfully in his daily practice for years. It has remedied the most stubborn cases of malocclusion.

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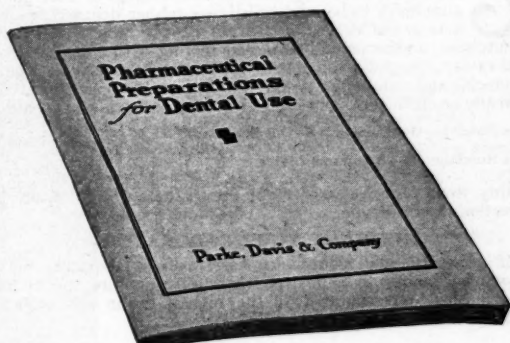
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DR. D. S. BACON, Pres.

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Q Buy from your dealer or remit direct. Samples, literature and directions awaiting your request. Directions simple.

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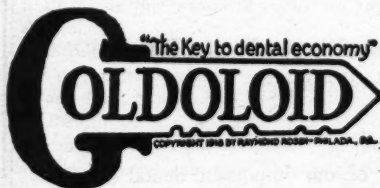
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Manufacturers to the Nobility of the Profession



An ounce of GOLDOLOID pellets at \$2.50 per ounce takes the place of an ounce of solder.

Q Back your facings with GOLDOLOID plate.

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THE metallurgist's dream comes true! GOLDOLOID has successfully passed the experimental stage and has been accepted on its merits by the dental profession. It has arrived to stay, so don't be a hindrance to progress. **GIVE IT A TRIAL!**

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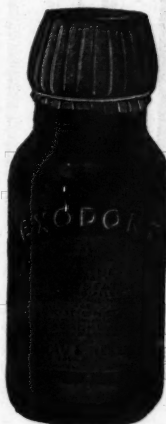
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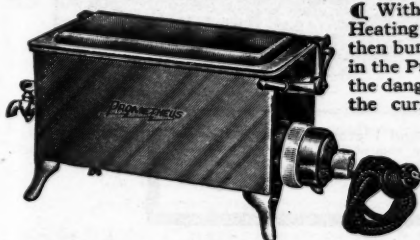
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Only dental instruments of the highest quality of workmanship and material sold under this name and trademark. Backed by thirty-five years of actual manufacturing experience.

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Look for "UDIMCO" on every instrument. That is your guarantee. Sold by all dealers. Ask for price list. *Used extensively by U. S. Army Dental Corps during entire period of war.*

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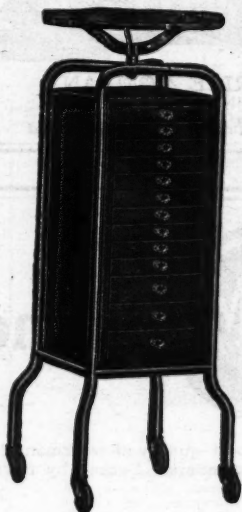
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Sole manufacturers of the Abbott Mandrel Mounted Teeth Cleaning Brushes

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Will care for instruments, appliances and materials required in the practice of preventive dentistry—together with a revolving bracket table.

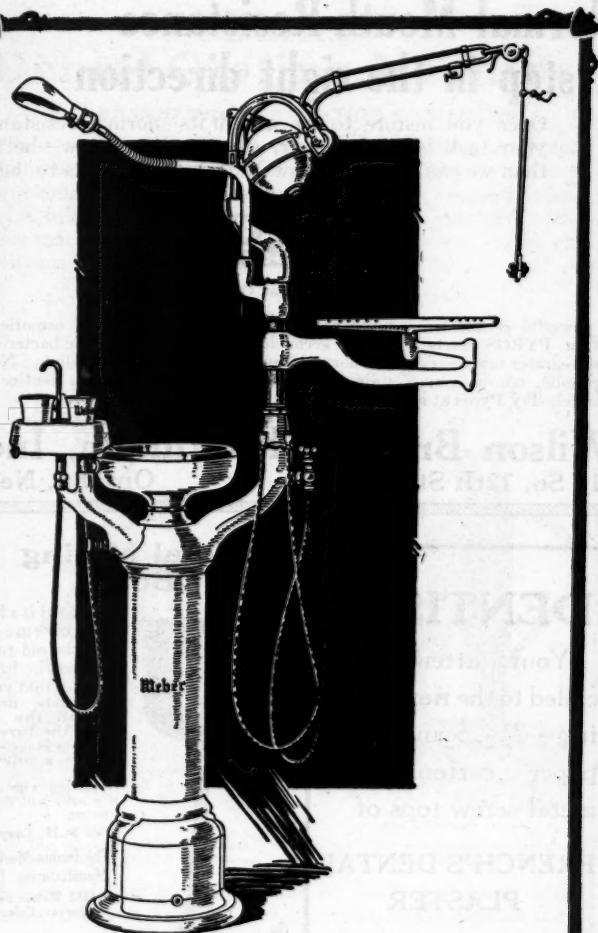
Drawers are fitted with glass trays.

Mounted on large castors.

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A powerful germicide, a penetrating antiseptic—astrigent, osmotic in action. PYROS exerts a specific germicidal action on pathogenic bacteria—disintegrates tartar—causes a normal flow of thin, wholesome saliva. Non-alcoholic, non-poisonous, stainless—Harmless to healthy tissue, dentine or enamel. Try Pyros at *our expense* on the worst case you can find.

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Metal Mixing Bowl



This bowl is a big improvement over the old rubber bowl, from the fact that you absolutely drive out all the air from the investment by gentle tapping on a weighted block.

If handled with care this bowl will last a lifetime.

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Burns Dental Casting Machine

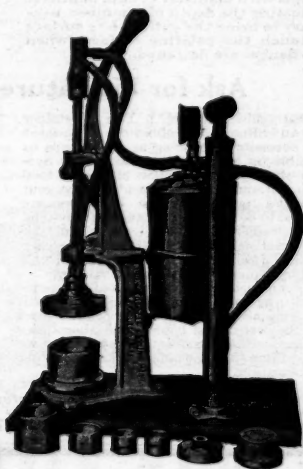
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Where accuracy is essential, use a Burns Casting Machine. Failures are expensive, this machine will solve your casting problems. Fully equipped to cast from the smallest inlay to a full denture. Perfect results can be obtained with this machine where city gas, acetylene, gasoline outfit or Nitrous Oxid torch is used for fusing the metal.



No. 1 Outfit

For use where compressed air is available. Price \$90.00 complete.



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For use where compressed air is not available. Price \$90.00 complete.

This machine is in use by the U. S. Government and Dental Colleges, Dentists and Laboratories throughout the country. Our Book of Instructions with every machine. A postal will bring our illustrated catalogue.

Sold by all Dental Supply Houses

Manufactured by

BURNS DENTAL CASTING MACHINE CO.
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Petry Retainer Cups, are united with their base by vulcanization. The base contains a patented screen, which makes it possible to bend the retainer to any form and hold it there. Without this screen it would be impossible to do this as cement could not hold it.

Petry Retainers are the only retainers which are scientifically measured. The metal form with each outfit corresponds with diameter of cup, diameter indicating the depth of chamber necessary to bring the entire plate surface to touch the palatine surface, when cup flanges are flattened.

The cup flanges of Petry Retainers are small, to prevent that falling away from the palate. There is no other way to control loose cup surface. The amount of space between plate and palate by ordinary flat disc depends entirely on the size of disc used. You know that a rubber band would stretch if a heavy object were attached to one end. The expansion depends, therefore, on the weight and amount of loose, rubber surface. The smaller, the surface the closer you hold it, the longer, the farther the drop. Petry System contains flat cups of different sizes, ovals and splits. Latest outfit, 9 New Styles and 3 Old Styles.

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Distinguish between a Petry Retainer and an ordinary flat rubber disc. To meet the necessity of placing as many cups as possible on a small space, the Petry System offers you a selection of from 3 to 6 cups, without any metal head to press your patient's palate. Petry Retainers are formed to be parallel with mouth formation. The retainer is cemented. The flange is produced with 2 metals contained in each outfit. Learn to cement it right. Don't put too much cement in the chamber.

If you once become acquainted thru practical usage with Petry Retainers, you will be convinced of their superiority. Used by the best dental houses and laboratories throughout the country whose names we are willing to give you as well as any other information.

We exchange old, deteriorated or slow-selling retainers free of charge, and make a specialty of fitting plates in which other dentists fail.

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Check with order, or plate will be sent C.O.D.

Prompt delivery will be guaranteed. Complete outfits, since 15th of April 1920, \$2.00. Rubbers only \$1.00.

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(Containing Cocaine)

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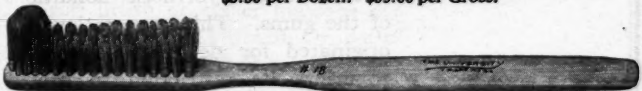
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\$3.25 per Dozen. \$36.00 per Gross.



THREE ROW BRUSH—Small adult size.
\$3.50 per Dozen. \$39.00 per Gross.



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Such Well-Known Dentists as Dr. Thos. B. Hartzell, Minneapolis, Dr. H. G. Morton, Milwaukee, Dr. Chas. E. Meerhoff, Chicago, Dr. J. W. Jungmen, and Dr. J. Herbert Hood, of Cleveland, Dr. R. R. Johnson, Pittsburgh—and hundreds of other members of the profession recommend and dispense our brushes. *If Your Dealer Cannot Supply You, Write Direct.*
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Get it and end your devitalizing perplexities. It will do it, Doctor, absolutely.

Formula of "King" J. A. Williams, D. D. S.

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Marked success attends the use of Forhan's Pyorrhea Astringent in the treatment of pyorrhetic conditions of the gums. This preparation was originated for dental practice, and to insure its restriction to professional use, is not sold to retail druggists. Buy Forhan's Pyorrhea Astringent through your dental supply house.

Forhan's For the Gums (a paste) contains a sufficient percentage of the Astringent to make it a valuable



—and for the Patient's Use

healing and stimulative agent. It is designed for the pyorrhea patient's use on the brush as a dentifrice, and for brush or finger massage of the gums. It is exceptionally smooth and free from harsh substances, is cleansing and polishing, but non-irritating. Recommended as an auxiliary to professional treatment. On sale at drug stores everywhere.

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CALXINE, the first temporary cement, has continued to give satisfaction for a dozen or more years, because it was designed to meet a real need of the profession and still meets that need effectively and thoroughly.

Calxine seals without pressure because it is mixed thin. It does not draw away from the cavity margins. It can not be compressed in the cavity. It is easily removed when its purpose is served, but the patient can not remove it.

Order a Six-portion Package of Calxine to-day. Its cost is \$6.00, or 1 cent each for sealing six hundred cavities.

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CLEVELAND, OHIO, U. S. A.



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The Complete Assortment of Clev-Dent Burs is made up of two gross of excavating burs and one gross of cross-cut enamel burs. One gross is put up in a sterilizable, all metal bur case; the remainder are in our regular packages containing one-half dozen. While care has been exercised to include only the most generally useful sizes of burs, the packages may be exchanged, as long as they remain unbroken, for other sizes and forms of equal value.



The round bur is shown here in the use for which it is best suited—opening a pit cavity in which decay has just started.

The cost of the separate items in this assortment is:

2 gross of Burs at \$1.25,	\$30.00
1 gross of Burs at \$1.50,	18.00
Sterilizable Bur Case	1.50
	<hr/> 49.50
Complete Assortment	33.00
<i>Saving</i>	<hr/> \$16.50

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Full description on request

THE CLEVELAND DENTAL MFG. CO.
CLEVELAND, OHIO, U. S. A.



ORAL HYGIENE Bulletin

THIS magazine is mailed monthly to every English speaking dentist in the civilized world whose name we can secure. The circulation is in excess of 45,000 copies. ¶ If you want an assistant or are seeking a position or have a practice for sale or wish to acquire a practice, an ad in these columns at 10 cents a word will be seen by more than 45,000 dentists. Copy must be in the hands of publishers by first day of month preceding date of publication. Cash must accompany order. Initials and figures each count as a word. Address and heading are also counted.
—Oral Hygiene, Pittsburgh, Pa.

WANTED—To exchange a direct current ionization machine for an alternating current ionization machine, or will purchase an alternating current machine. Address Dr. D. P. Nolting, 335 Barnett Building, Albuquerque, N. M.

WANTED AT ONCE—First-class Pennsylvania registered dentist. Experienced. Age 25-40. Good habits, character and appearance. Permanent position. Square deal and future opportunity. State age, experience, nationality and salary wanted and how soon can come. Dr. Owen Morgan, Box 566, Johnstown, Pa.

FOR SALE—Thoroughly equipped ethical office in best town in Florida. Collections twelve thousand to fifteen hundred dollars per month. Takes cash to do business. Owner going to specialize. "Florida," ORAL HYGIENE, Pittsburgh, Pa.

FOR SALE—Dental practice and office in northern central Indiana. Population eight-hundred. No opposition. Modern equipment including electric unit cabinet. All in good condition. No old equipment. Ten miles to nearest competitor. Seven thousand practice books open for inspection. Good prices. Part cash and terms. If interested, write the Fred W. Miller Co., Indianapolis, Ind. for particulars.

FOR SALE CHEAP—Dental practice and equipment. Thoroughly established and doing a fine business. Also residence if desired. Retiring from active practice and going south. Dr. Matthews, Millville, N. J.

FOR SALE—Dental office newly equipped X-ray—Ritter equipment compressed air complete line. Indiana town of fifteen thousand (15,000). Will sell at invoice, cash or terms; very good reason for leaving. Good Fees. "U" ORAL HYGIENE, Pittsburgh, Pa.

PRACTICE FOR SALE—Chance of a lifetime. Established twenty-three years. Office and flat together. Best location on South Side, Chicago. "IXL" Consolidated Dental Mfg. Co., 29 E. Madison Street, Chicago.

WANTED—To associate in New York City with a thoroughly ethical dentist; none other need apply. Have been in active practice for ten years and thoroughly capable in all general work. Any reasonable terms will be considered. Address "J. W. S." c/o Consolidated Dental Mfg. Co., 45 West 34th Street, New York City.

FOR SALE—Colorado practice, growing community. Sub-lease house till April first. "Doctor," ORAL HYGIENE, Pittsburgh, Pa.

DENTIST WANTED—Aggressive salesman, to sell dentistry, no chair work; registered in Illinois. Chas. H. Lietzman, 135 S. State St., Chicago, Ill.

FOR SALE—Eight thousand dollar practice and modern equipment. Best year round location, on east coast of Florida. Both winter and summer season. "B & A" ORAL HYGIENE, Pittsburgh, Pa.

WANTED—High class plate and gold men for laboratory, in both Columbus and Dayton. Highest salaries. Dayton Dental Supply Co., Box 143, Dayton, Ohio.

DENTISTS from local and distant states send their relatives, friends and employees here for training because they know they will return well grounded in the fundamentals of mechanical dentistry and be found able to go to work in the laboratory. Board and lodging arranged for in advance. Send for catalog No. 4-A. WEST SIDE Y. M. C. A. SCHOOL OF MECHANICAL DENTISTRY, 318 West 57th Street, New York City.

DENTAL EXCHANGE—Positions and locations in all states and practices handled. F. V. Kniest, R. P., Omaha, Nebr. Gilt edge references. Special plans. Service also for doctors, veterinarians, druggists, nurses.

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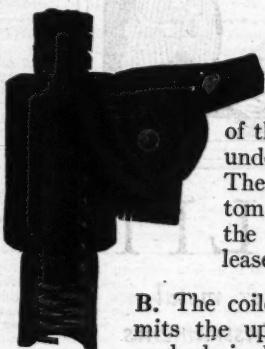
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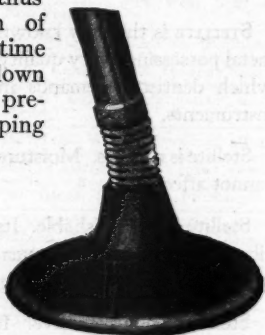
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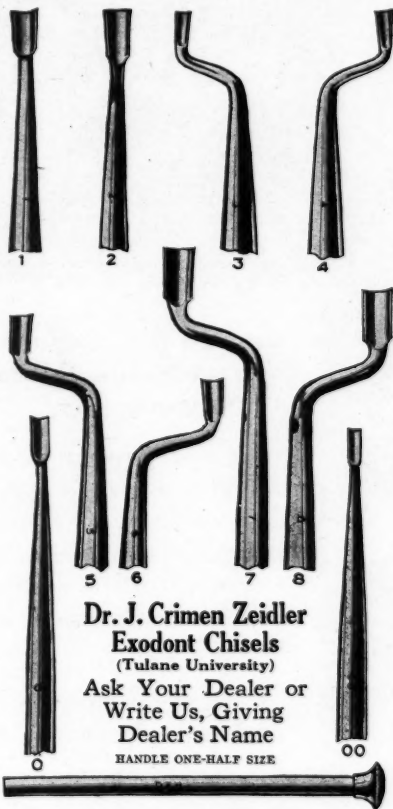
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